



FIG. 1

(1/63)

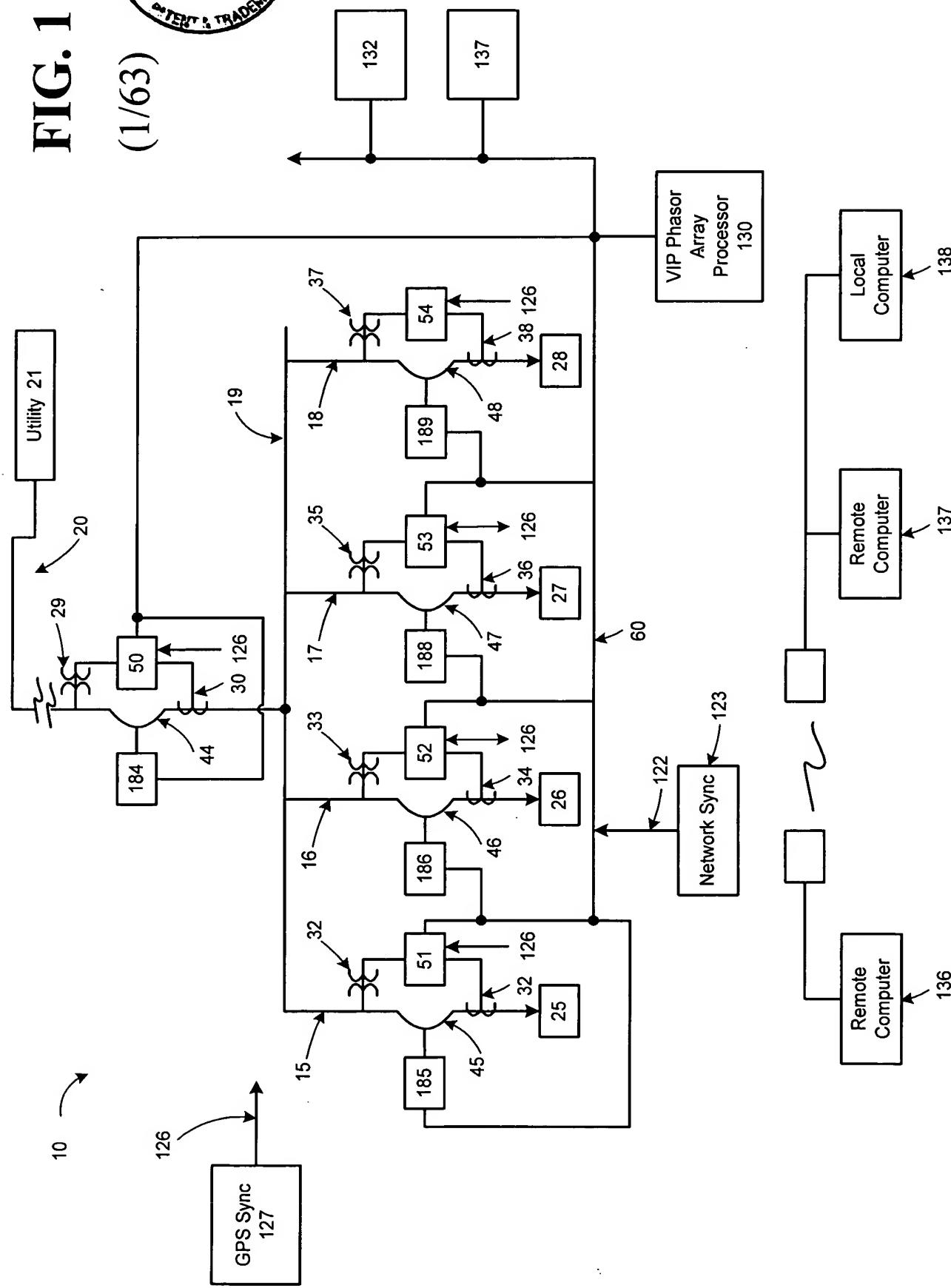
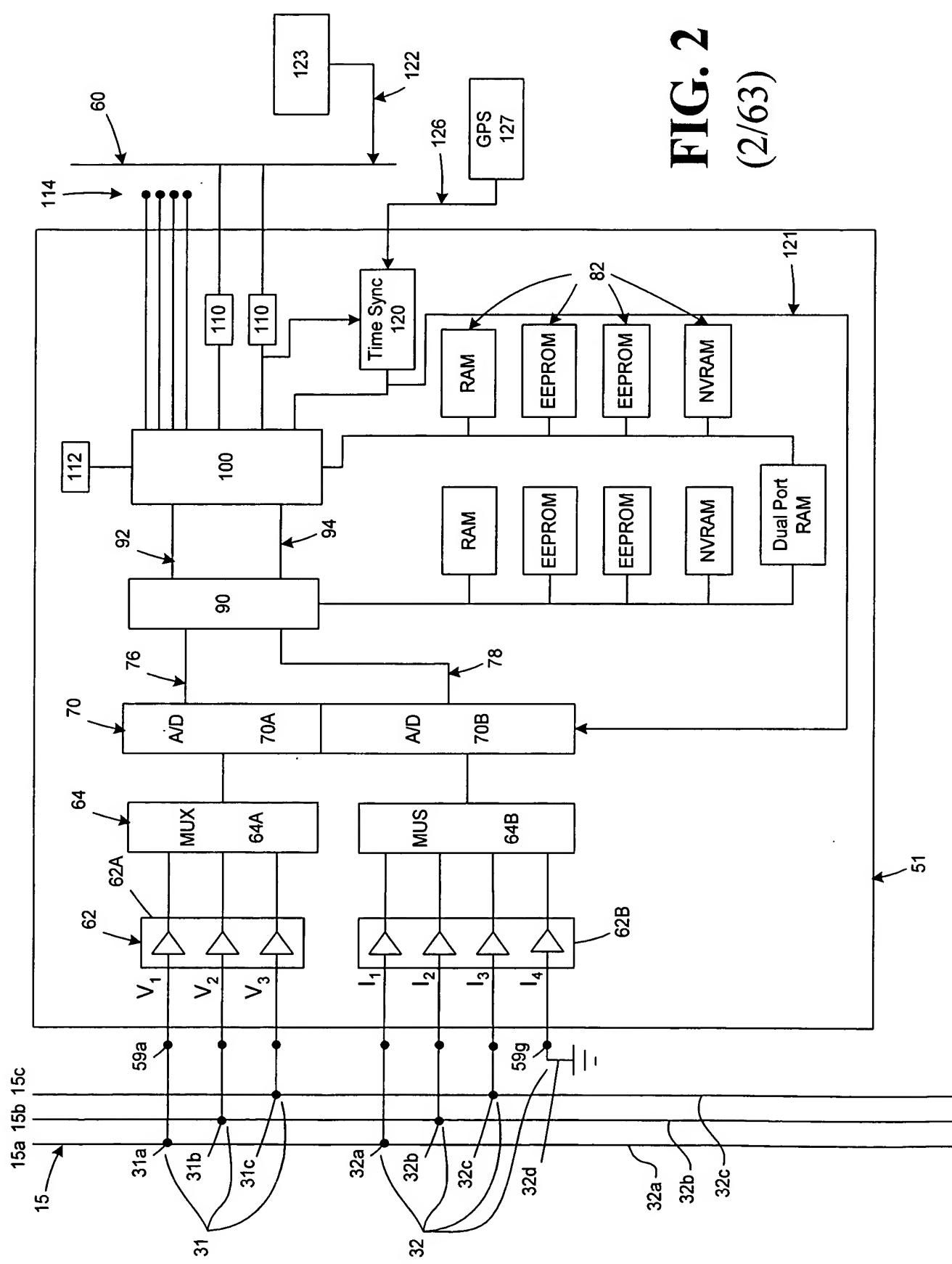


FIG. 2  
(2/63)



### FIG. 3

## Phasian ION Moudle Diagram

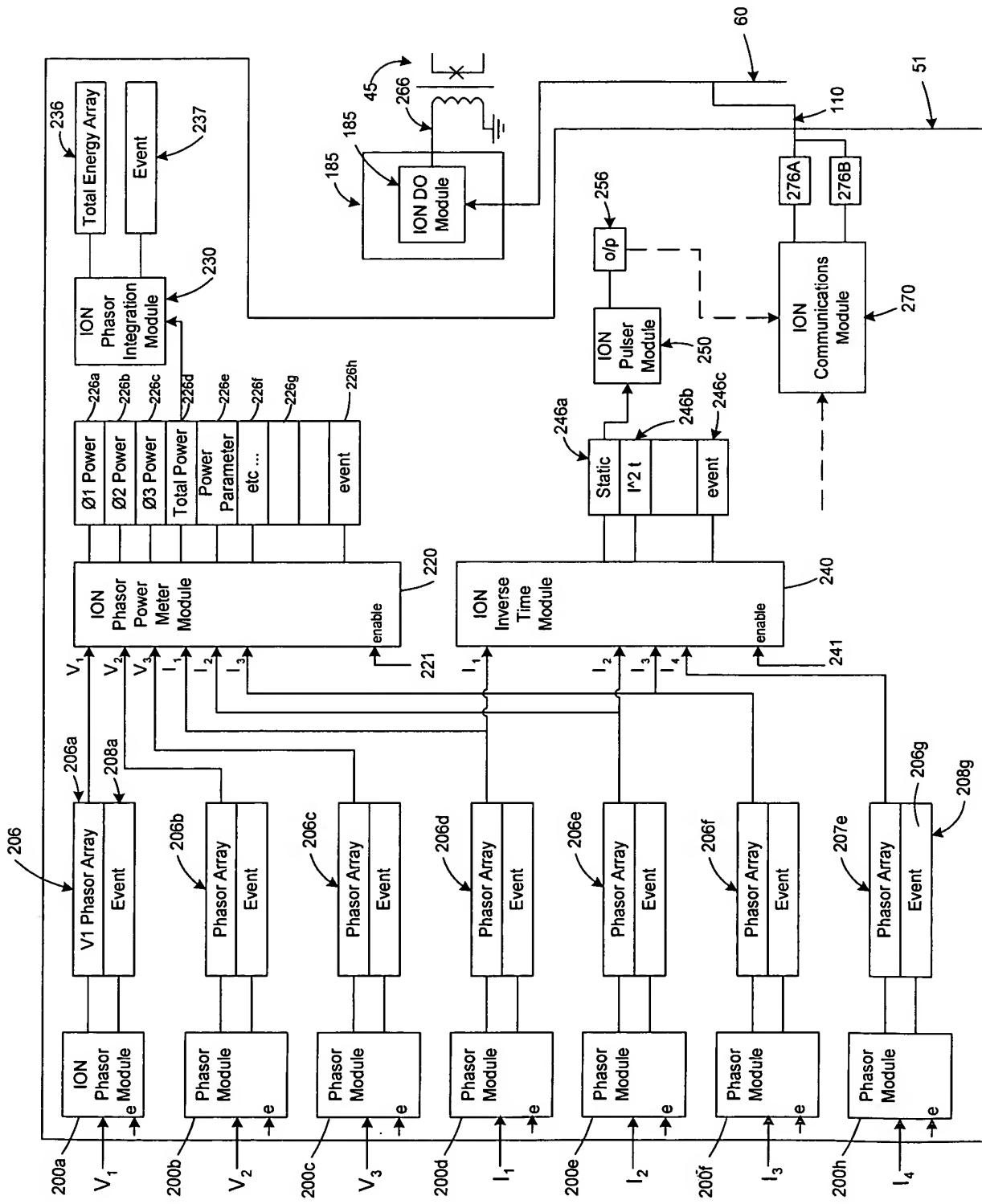


FIG. 4  
(4/63)

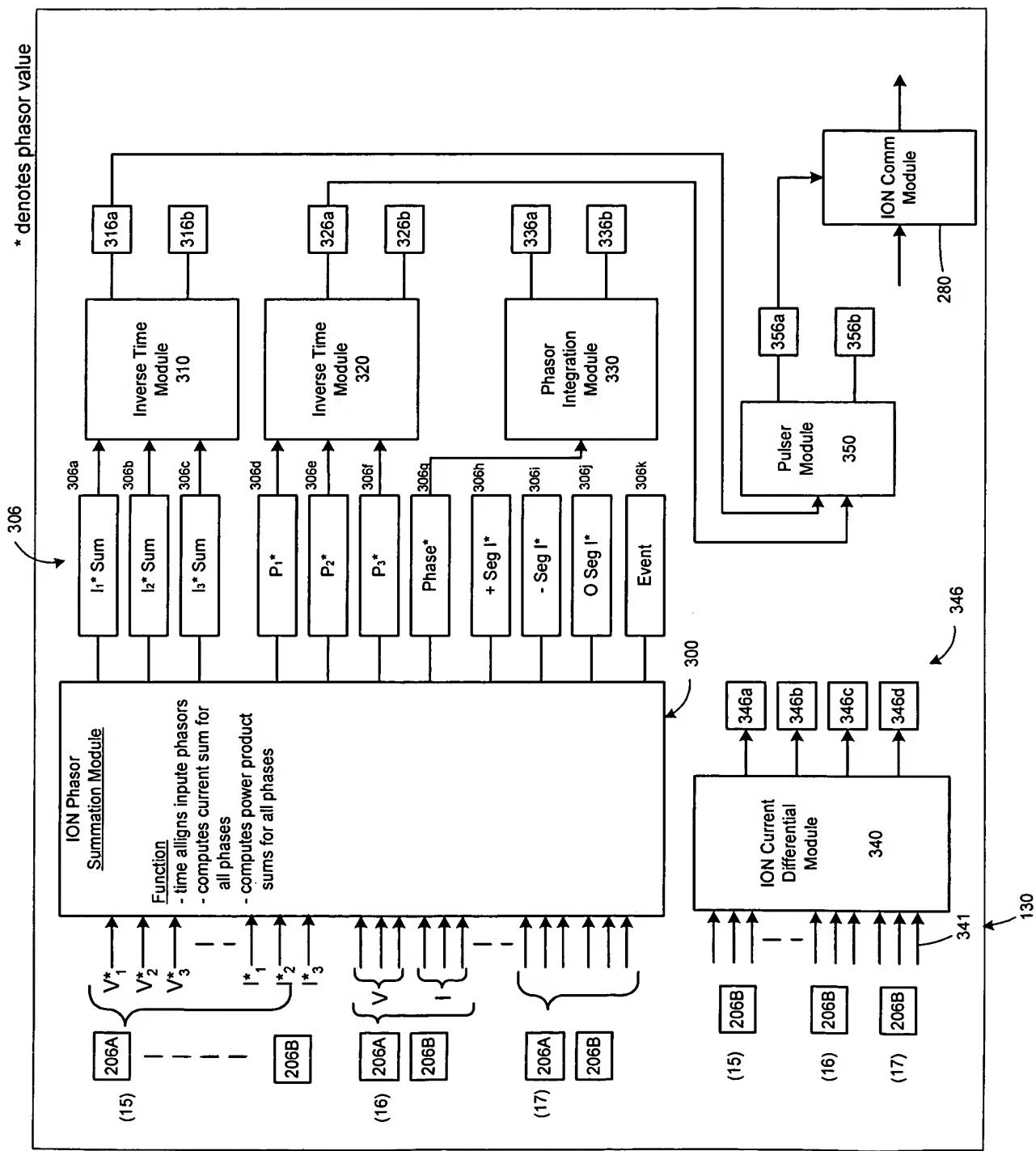
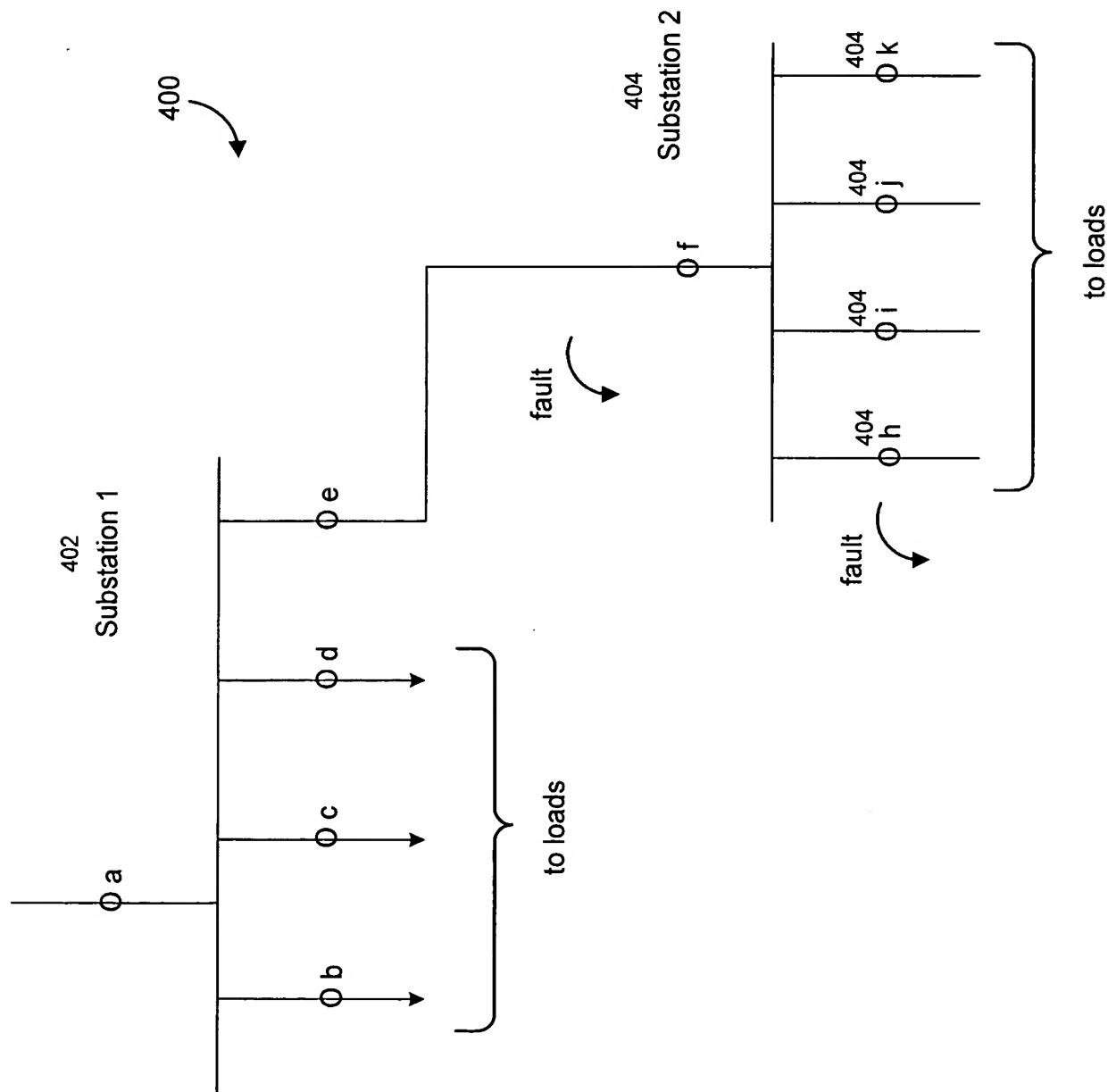
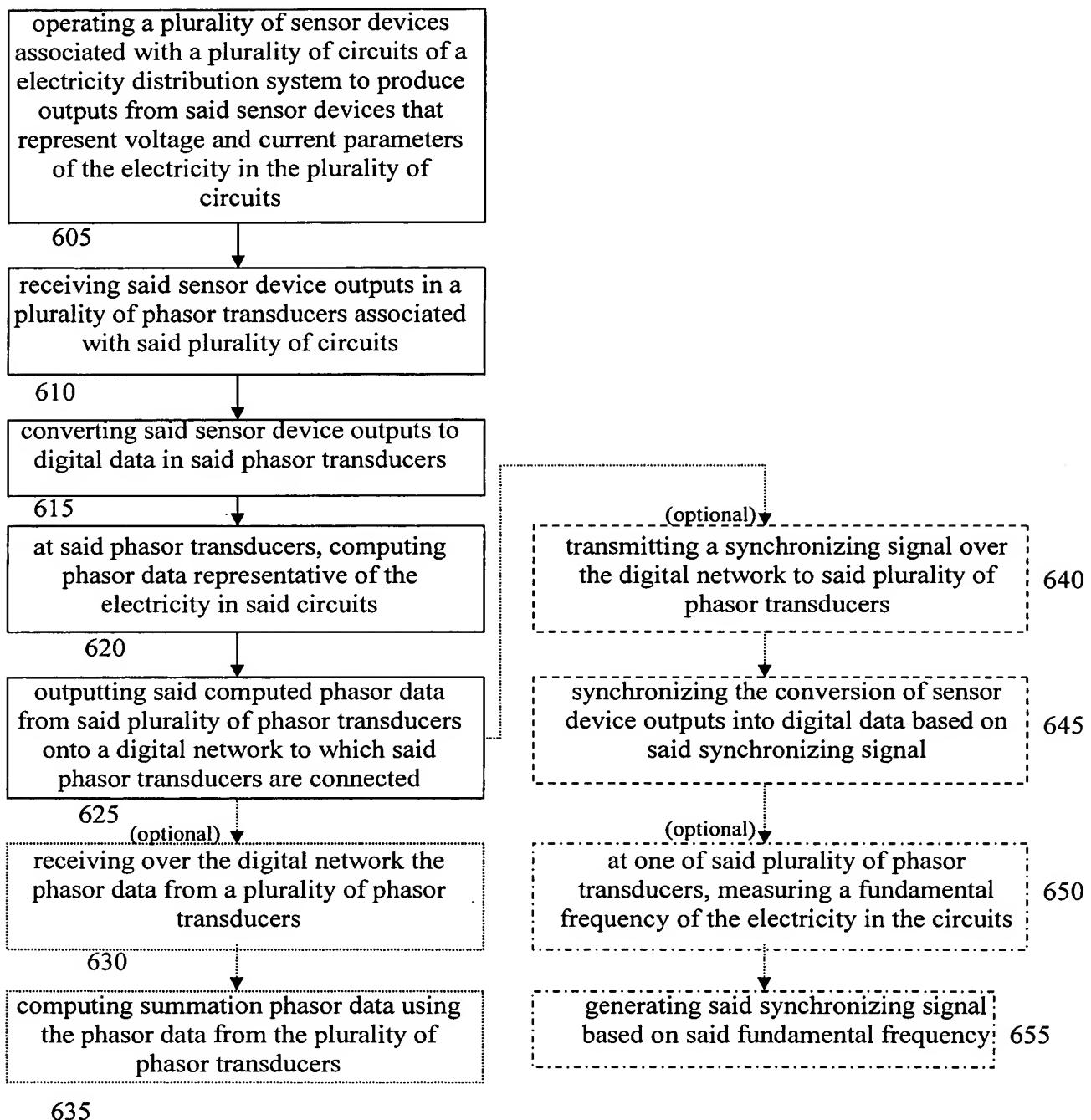


FIG. 5  
(5/63)



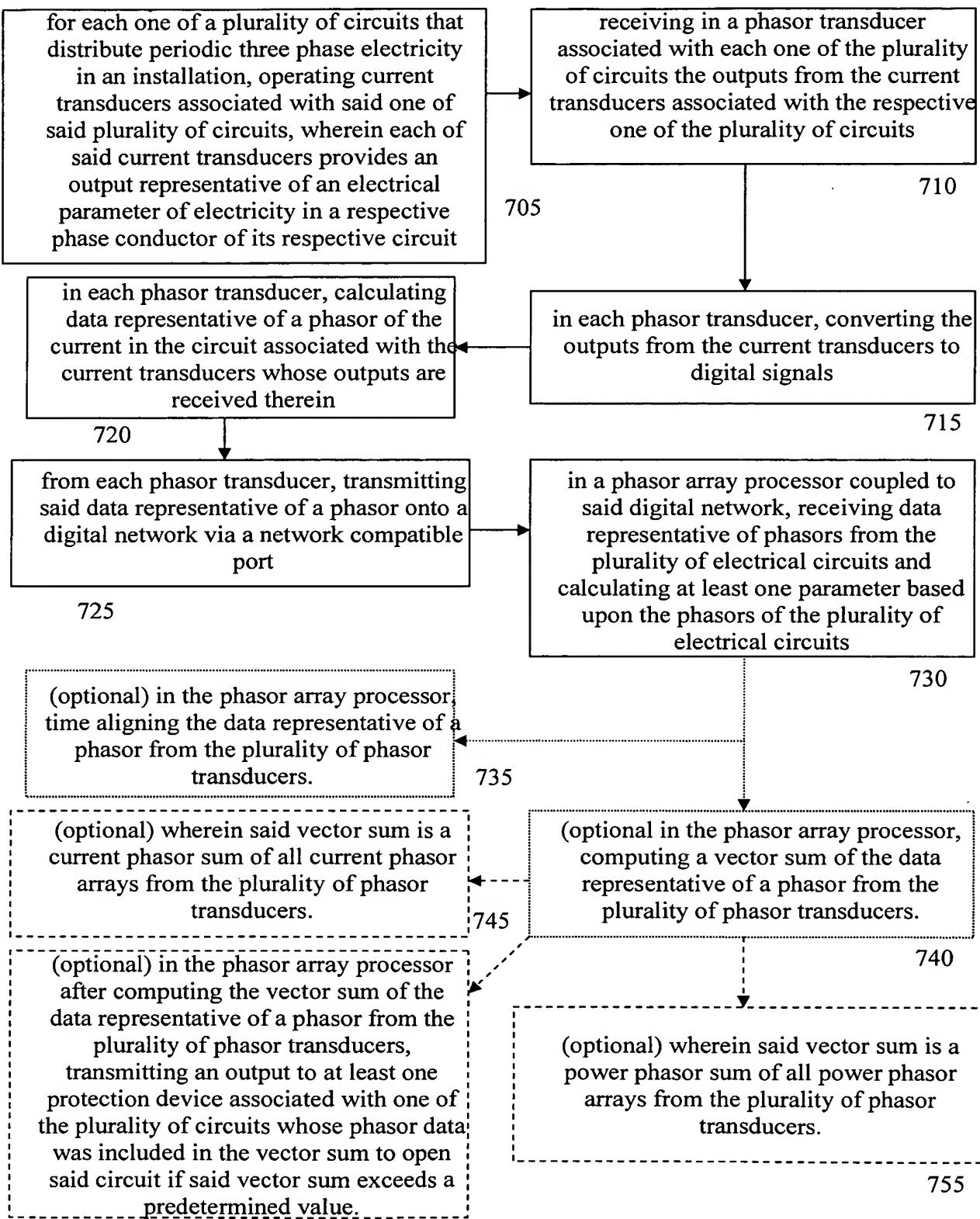
# FIG. 6

(6/63)

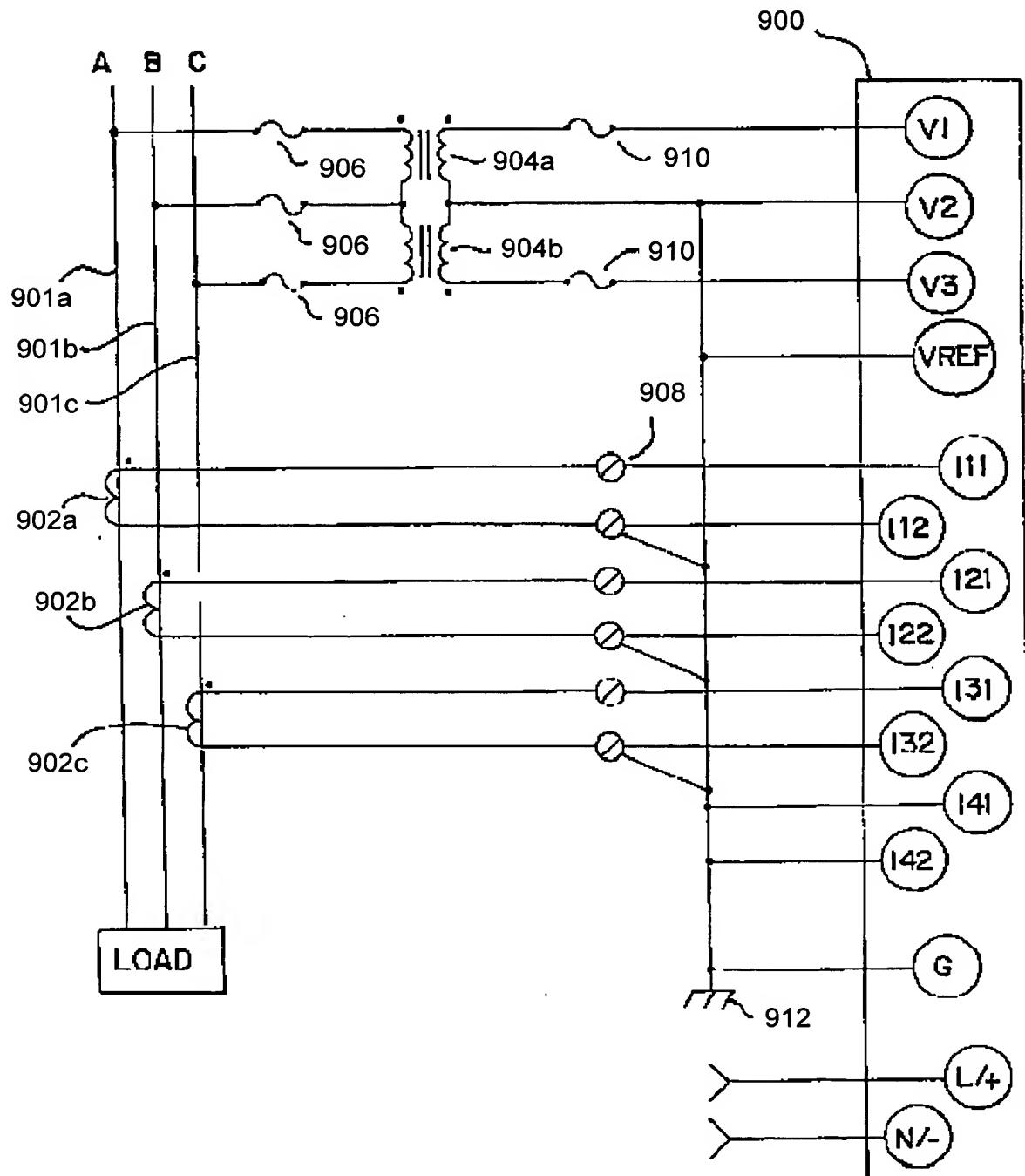


## FIG. 7

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**FIG. 8** (8/63)



**FIG. 9** (9/63)

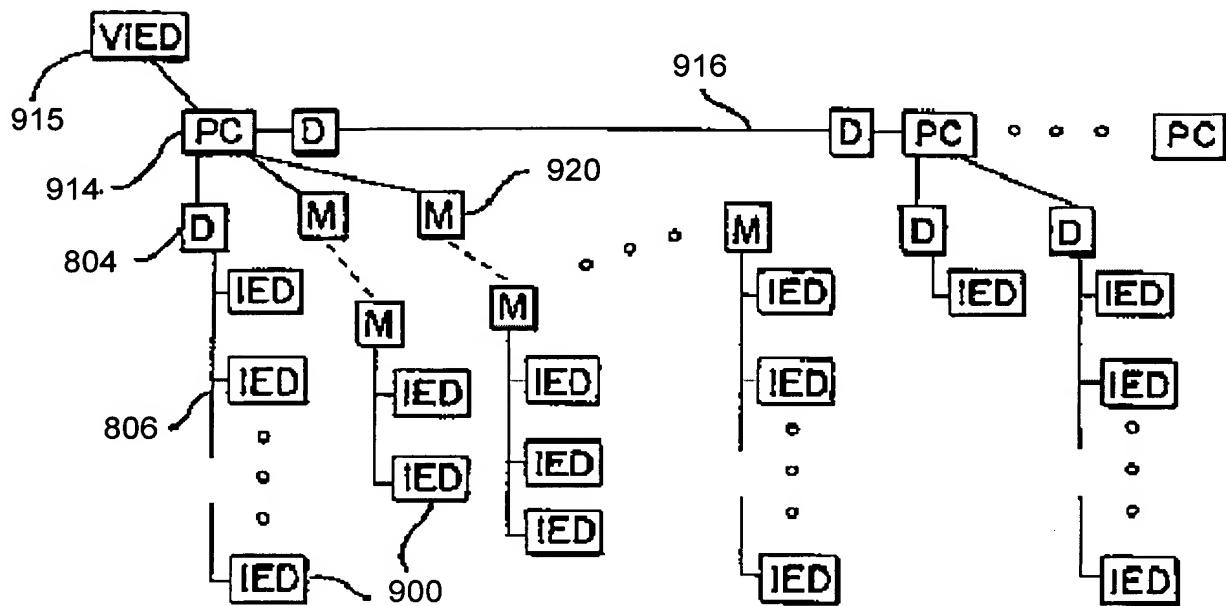
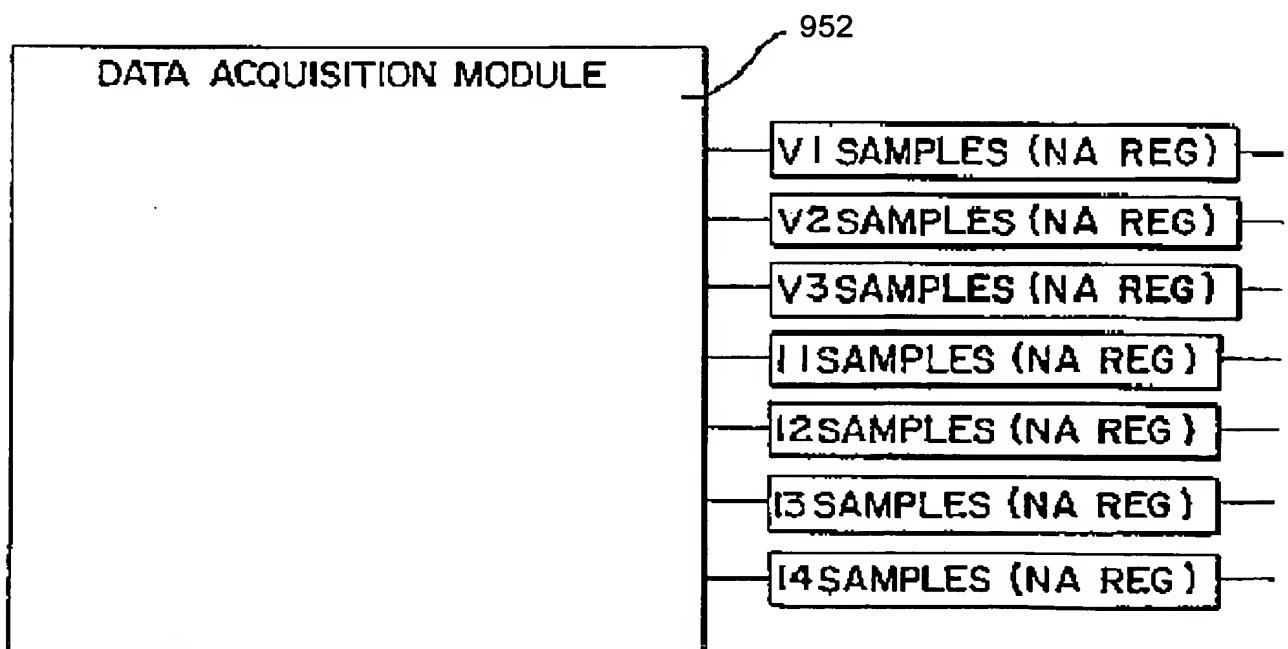
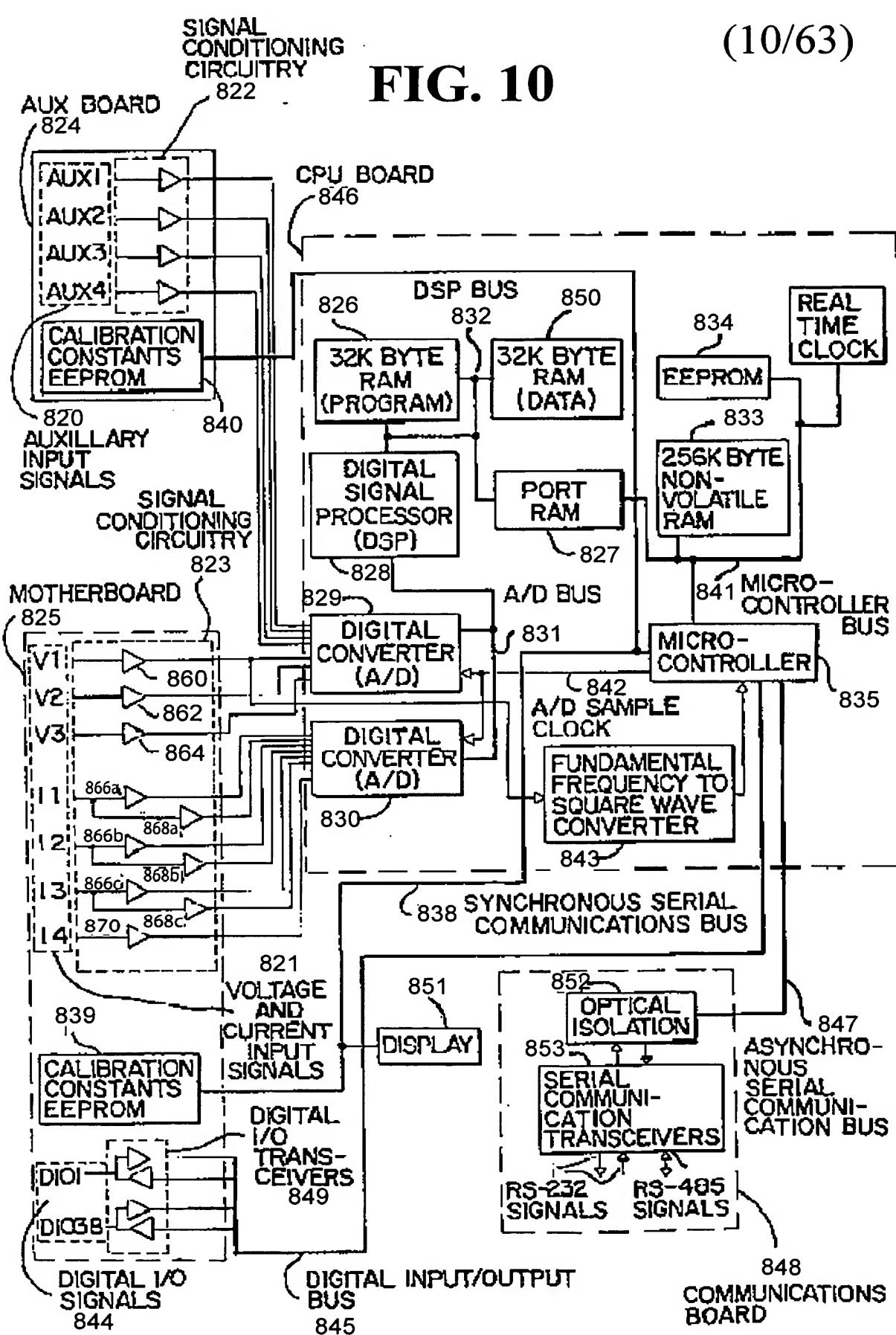


FIG. 11



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FIG. 10



DATA ACQUISITION  
MODULE  
OPERATION (CLIENT  
PORTION)

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FIG. 11A

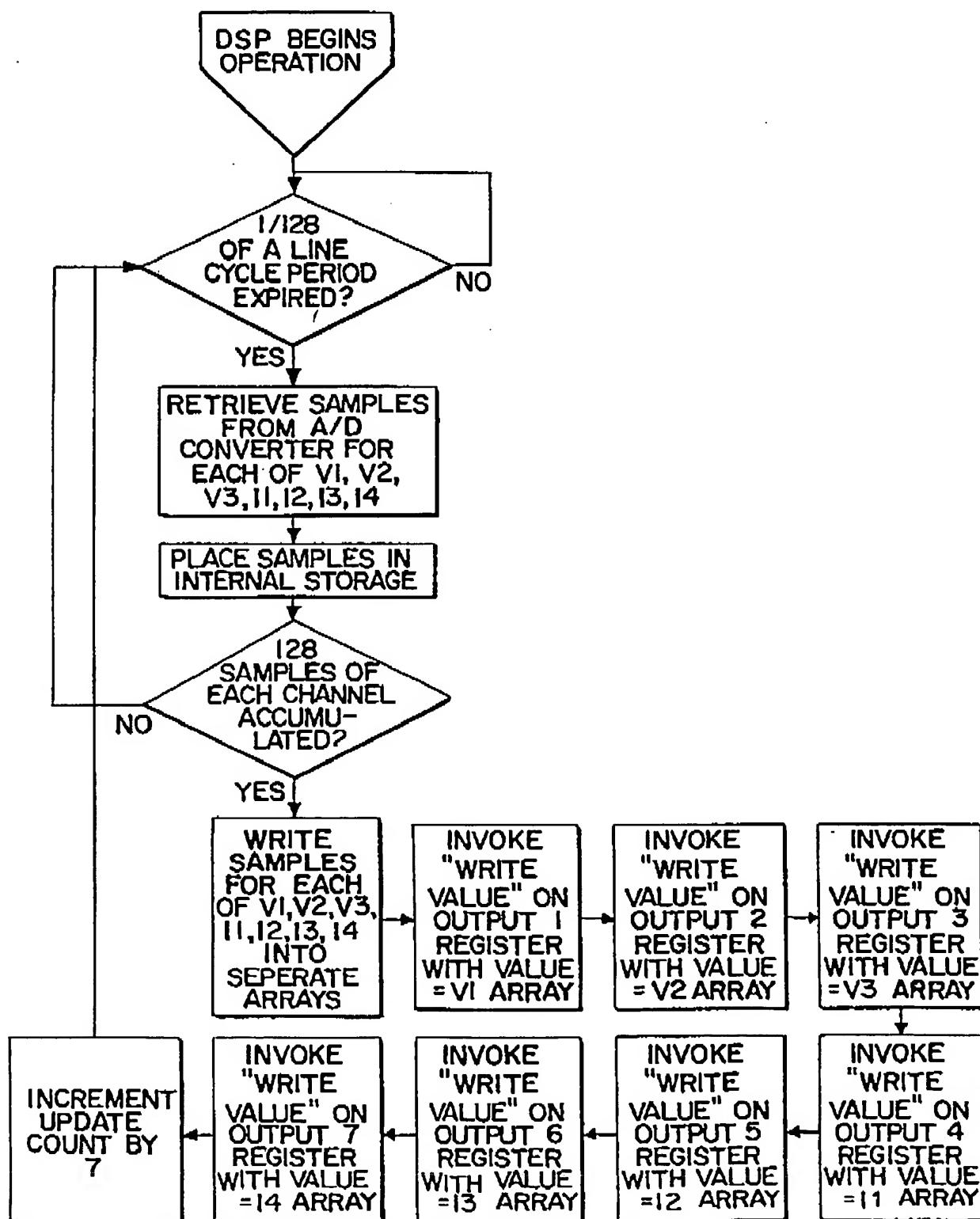
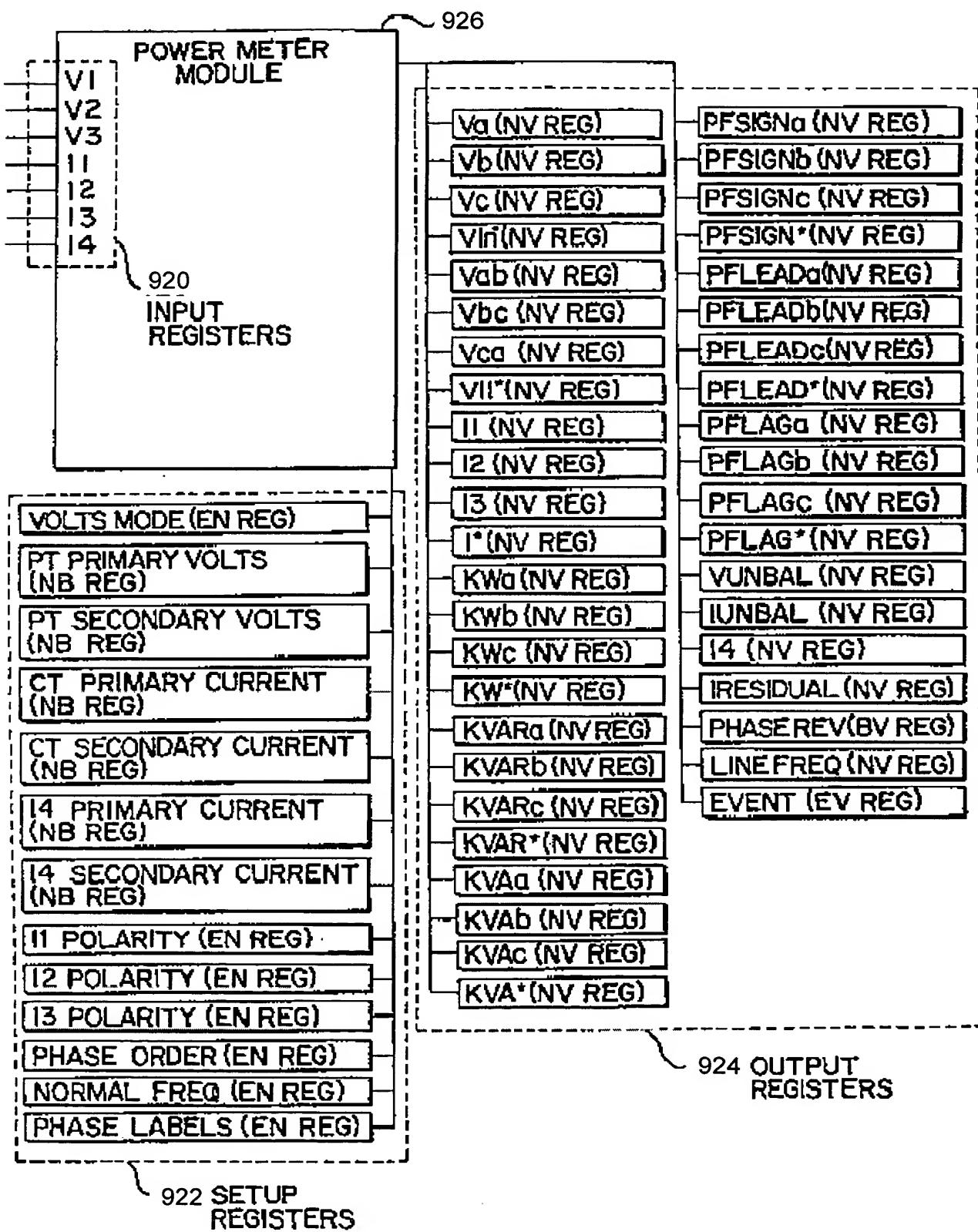


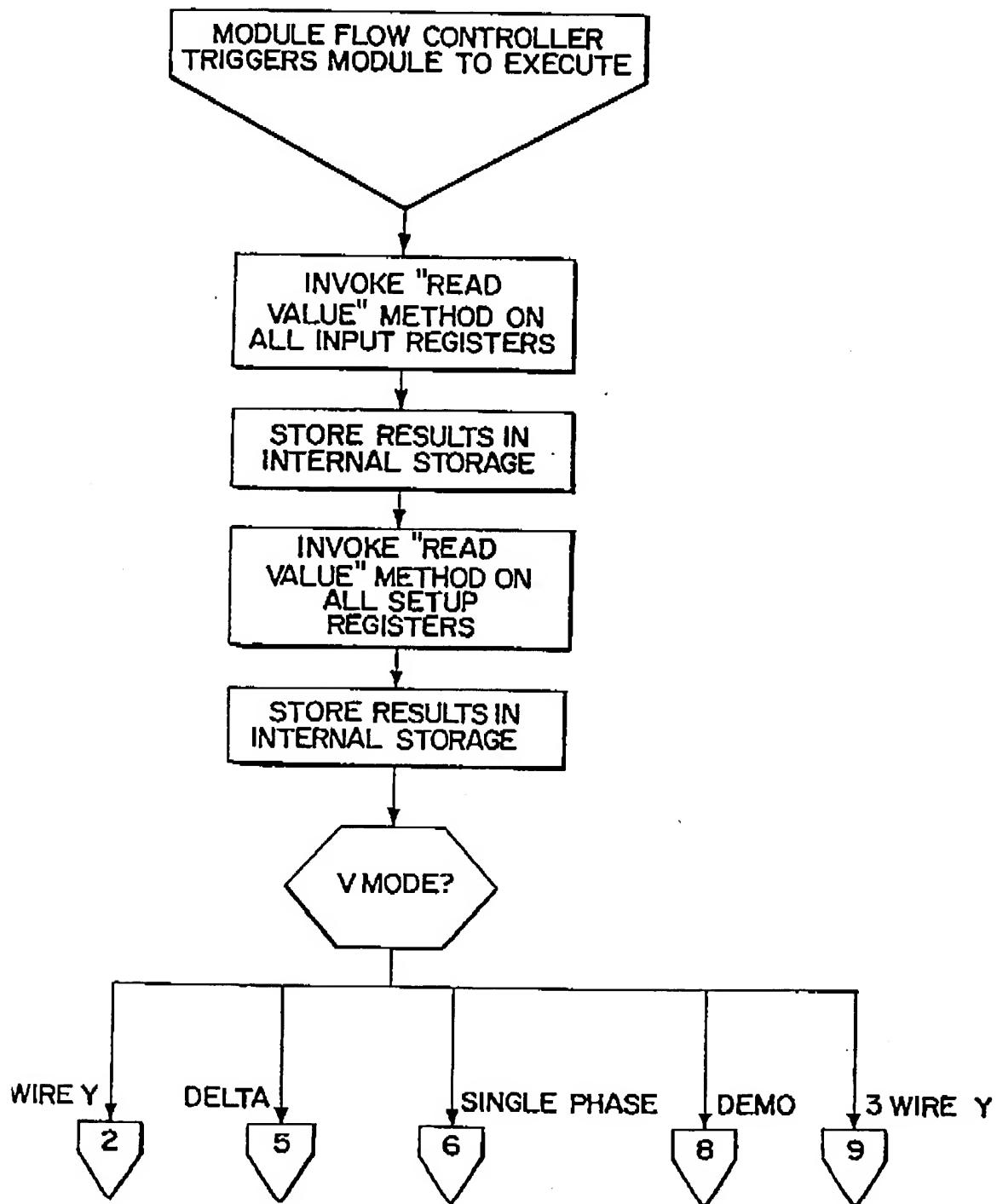
FIG. 12

(12/63)



POWER METER  
MODULE  
OPERATION  
(CLIENT PORTION)

FIG. 12A (13/63)



(14/63)

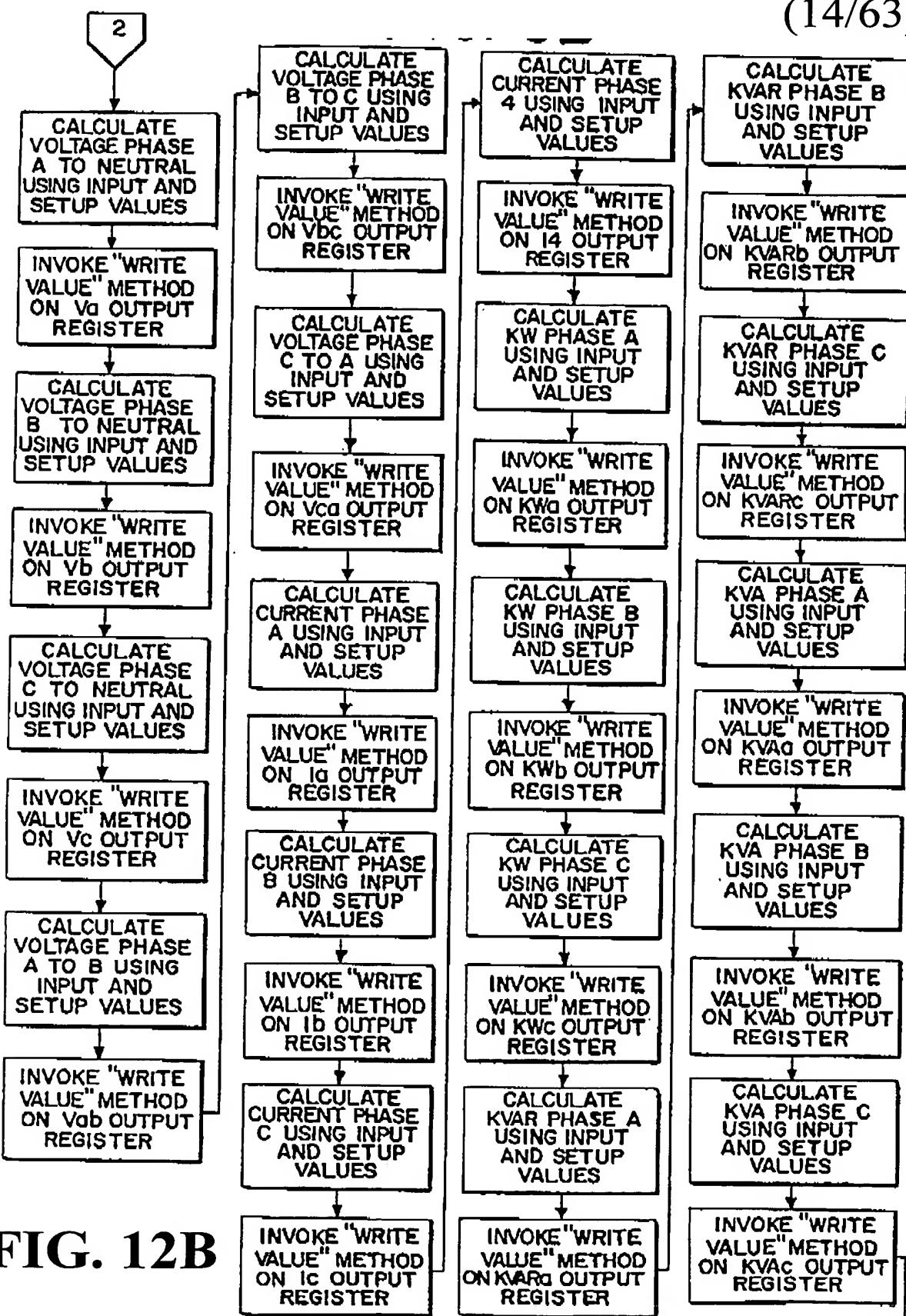
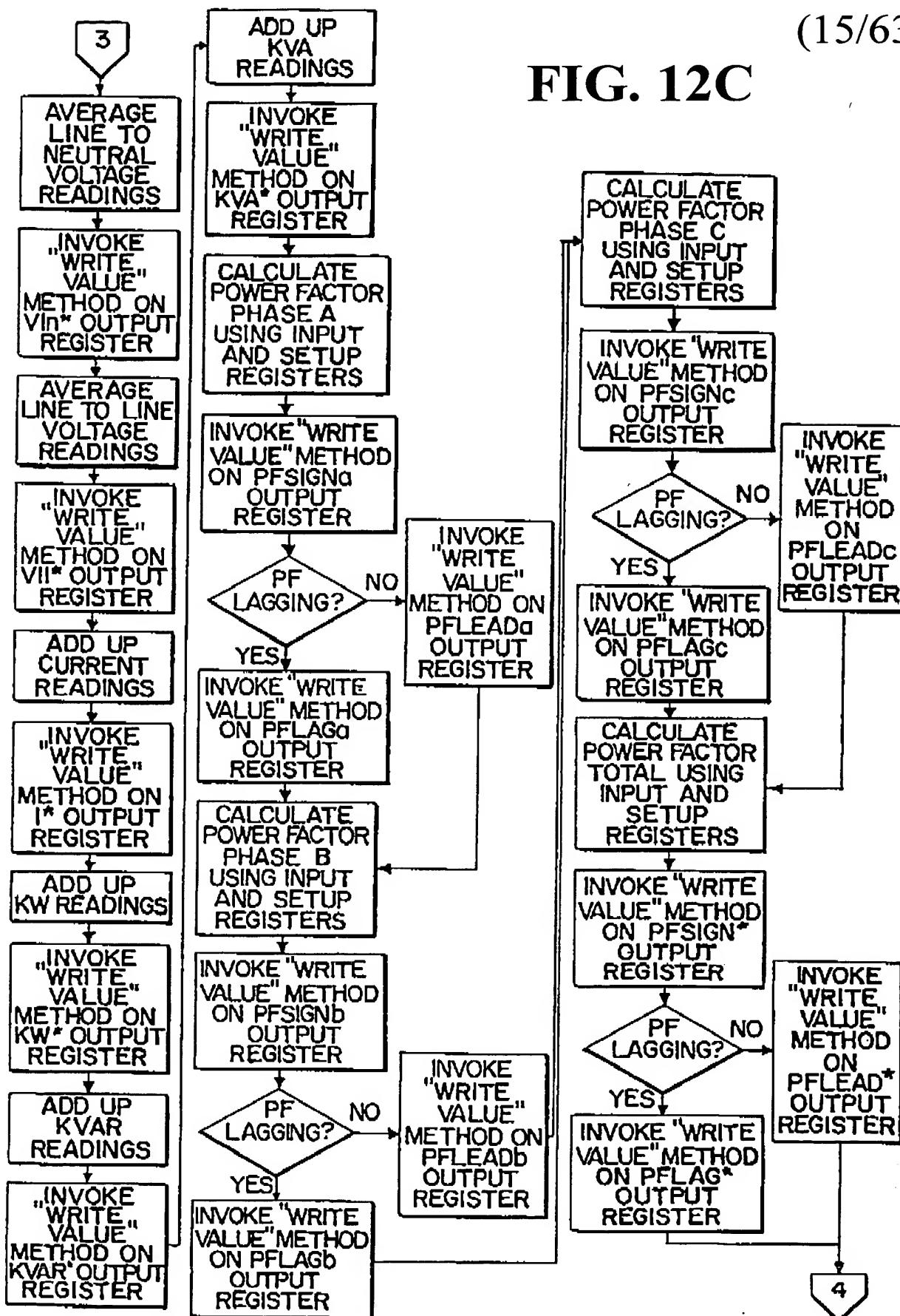


FIG. 12B

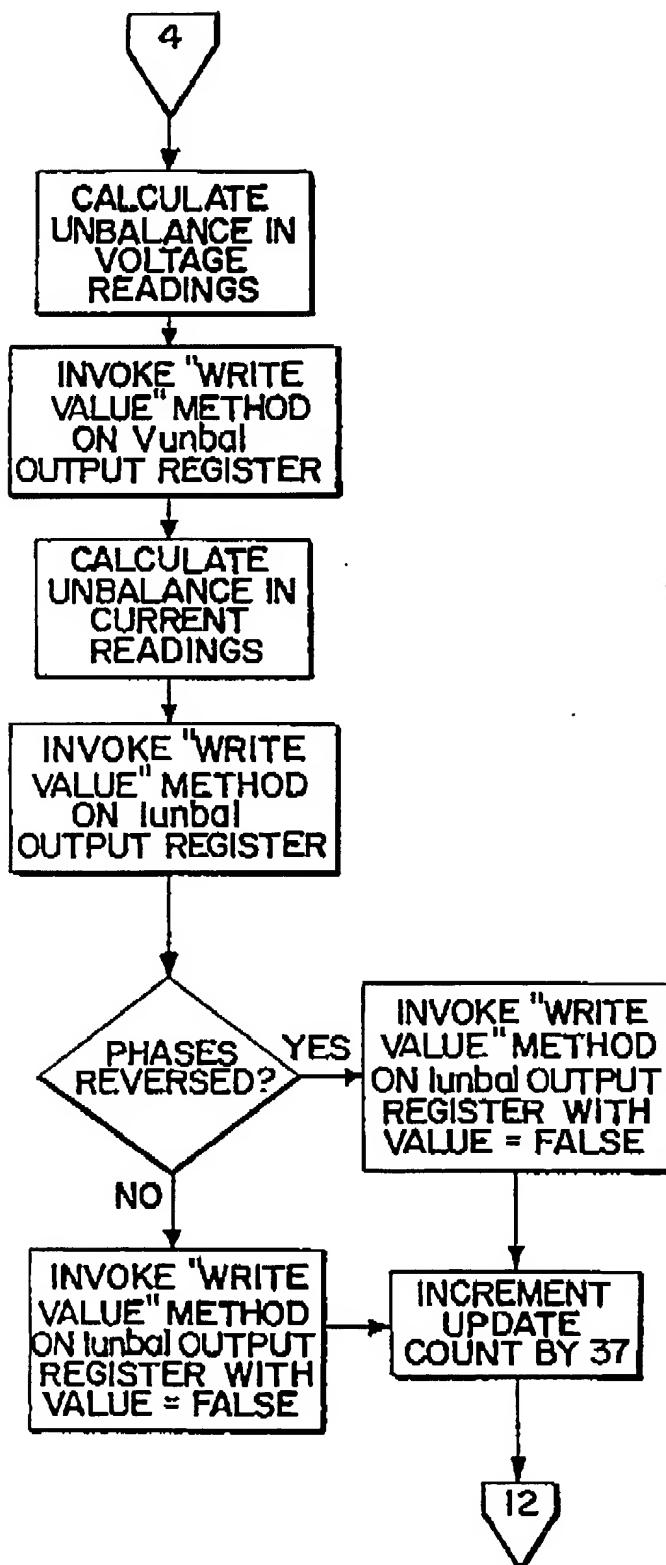
(15/63)

FIG. 12C



**FIG. 12D**

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**FIG. 12H**

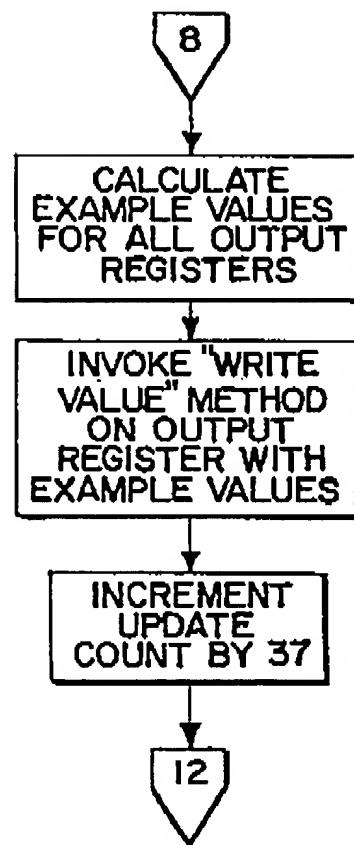
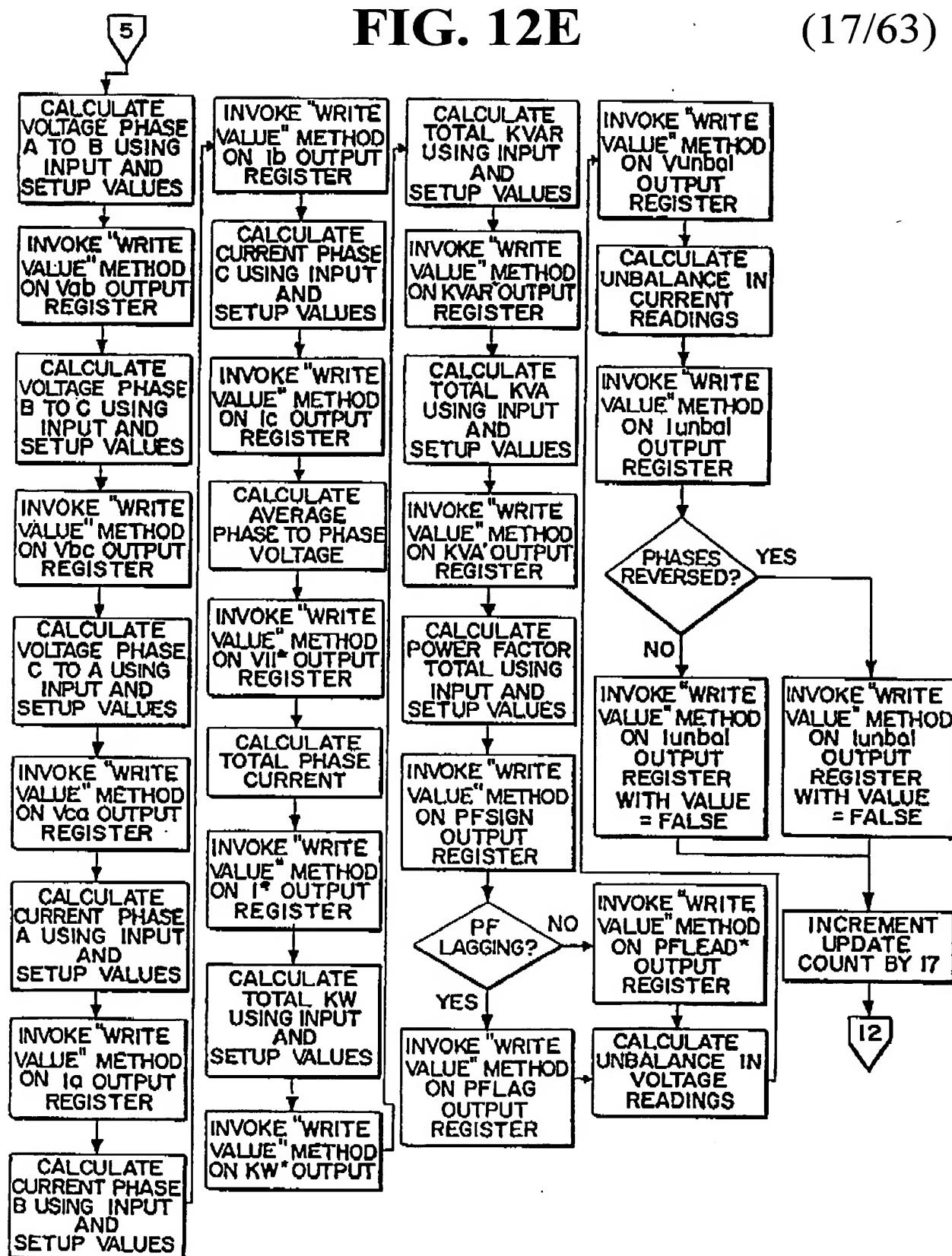


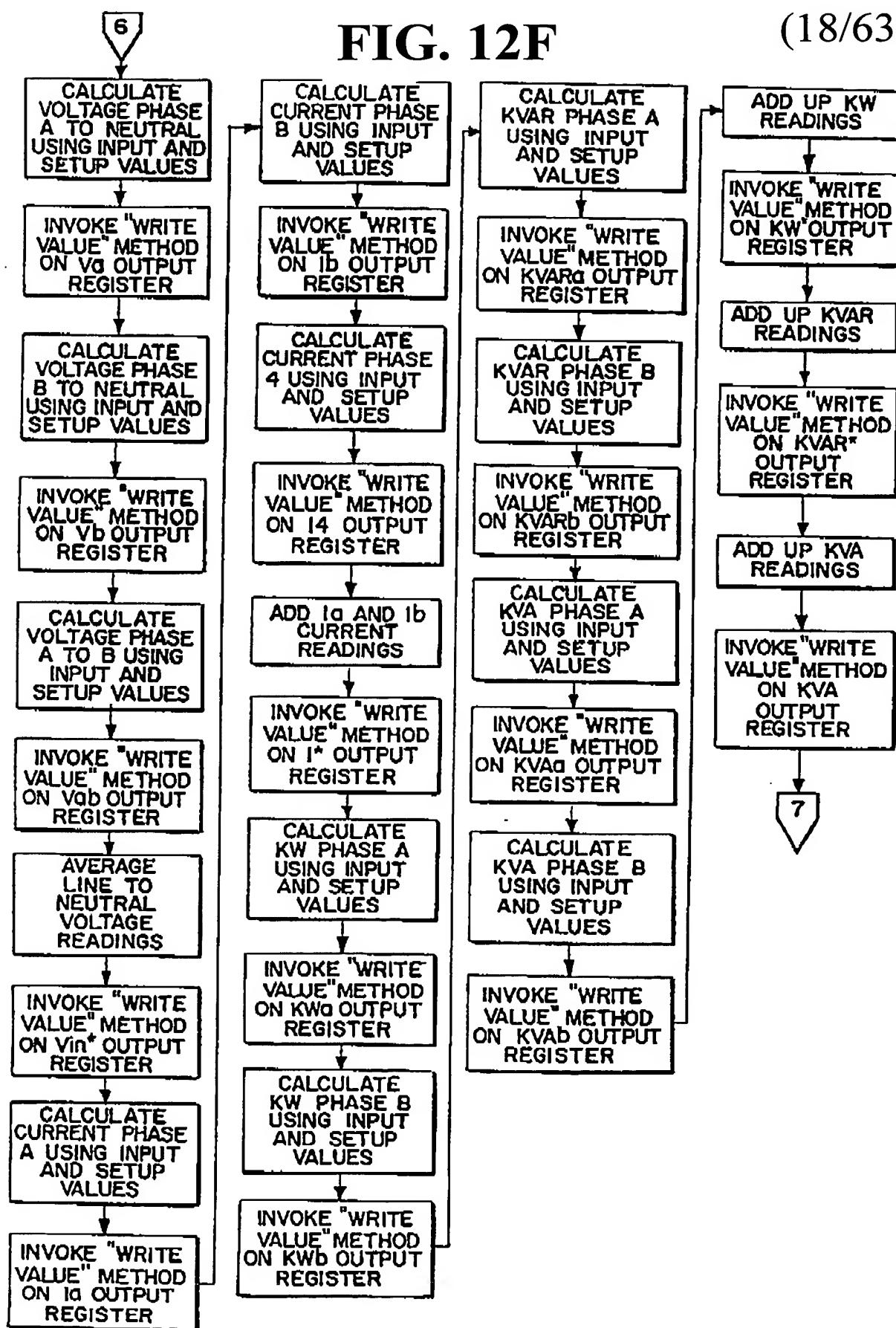
FIG. 12E

(17/63)



(18/63)

FIG. 12F



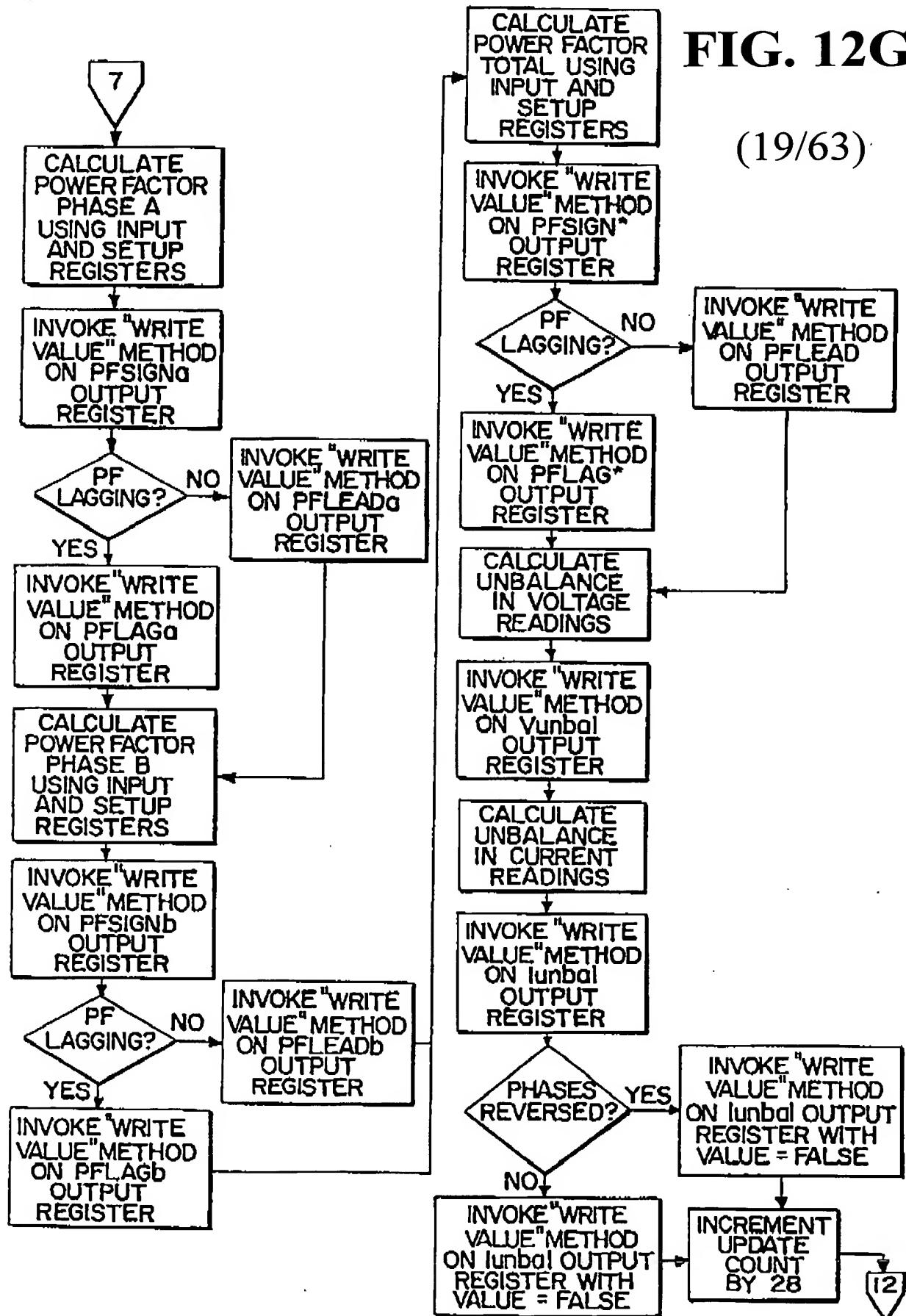
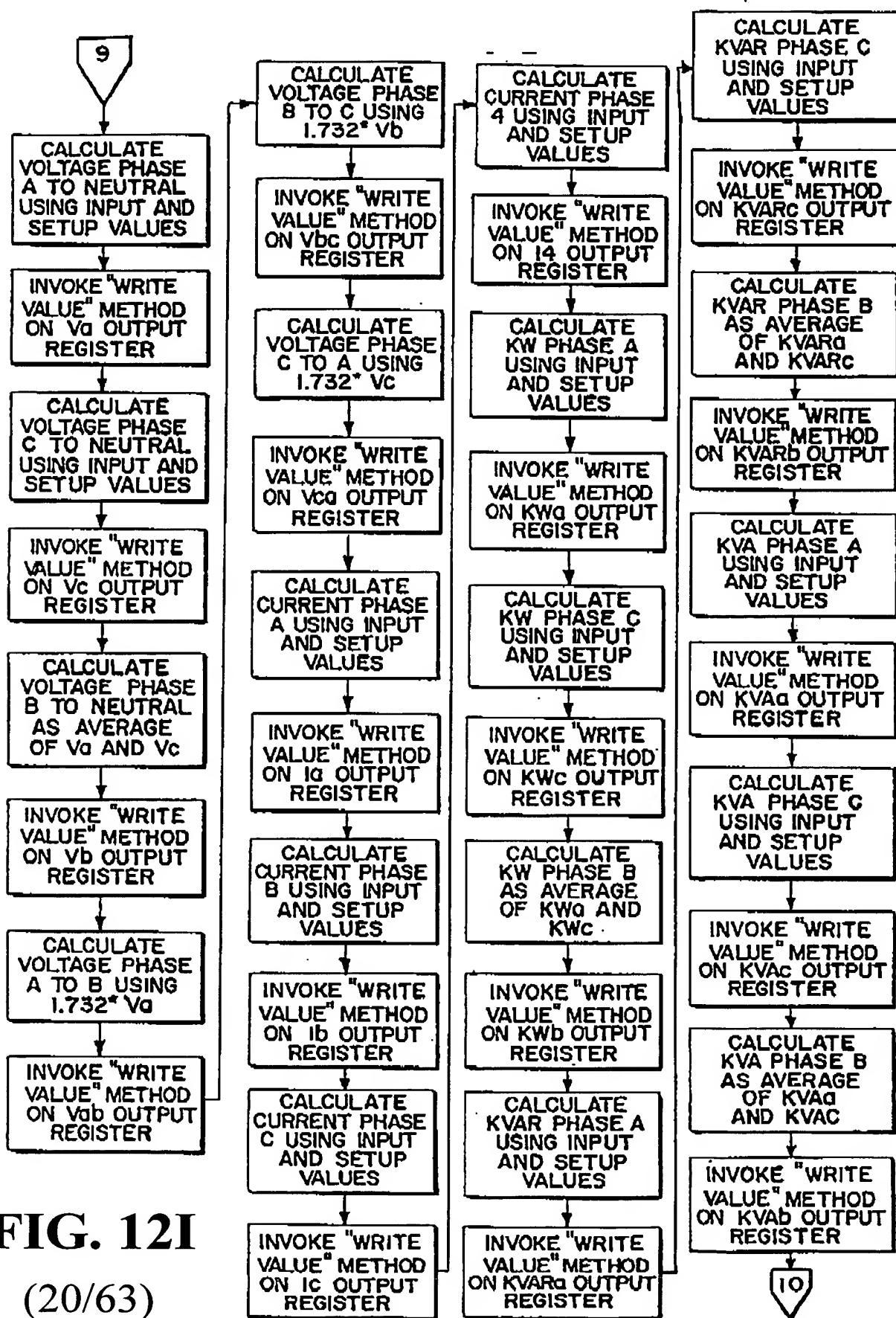


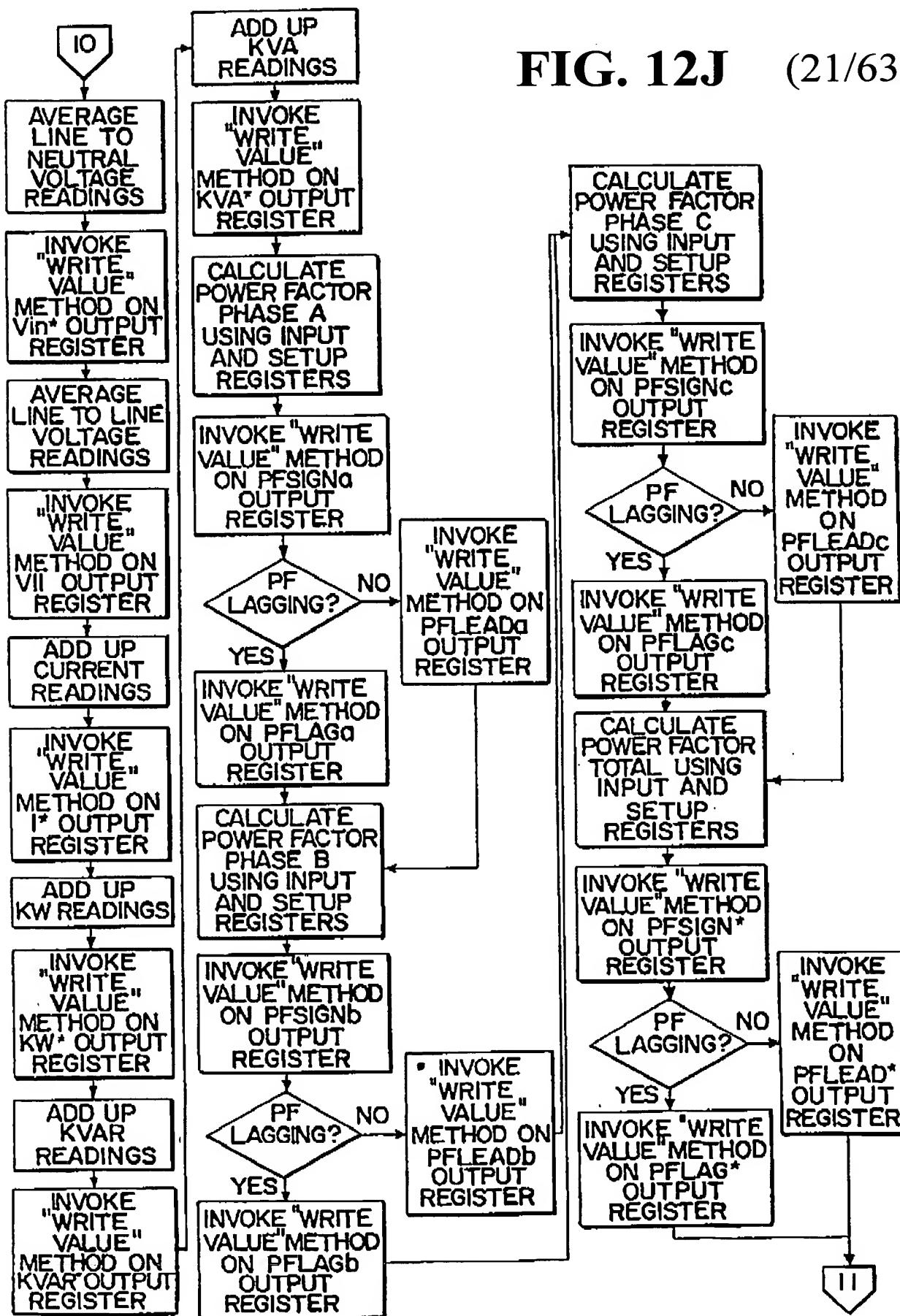
FIG. 12G

(19/63)

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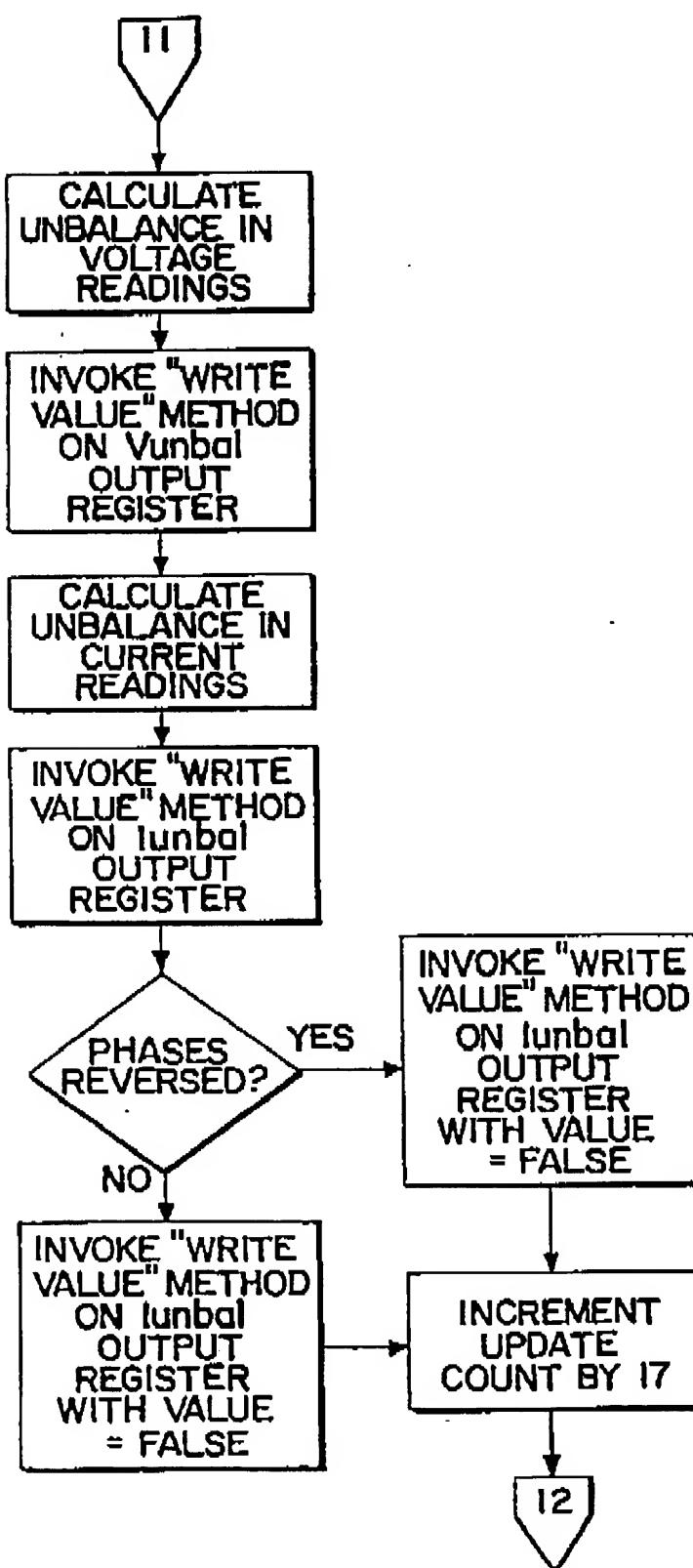


**FIG. 12J** (21/63)

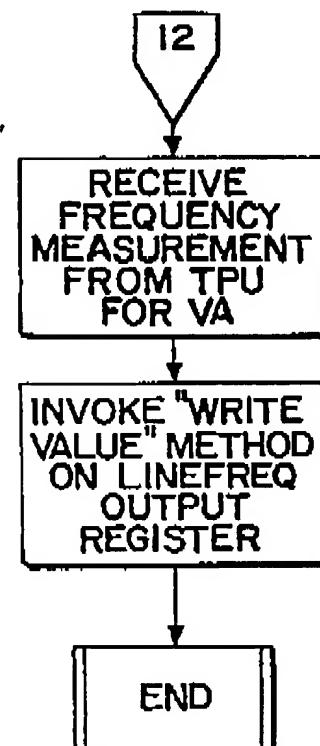


**FIG. 12K**

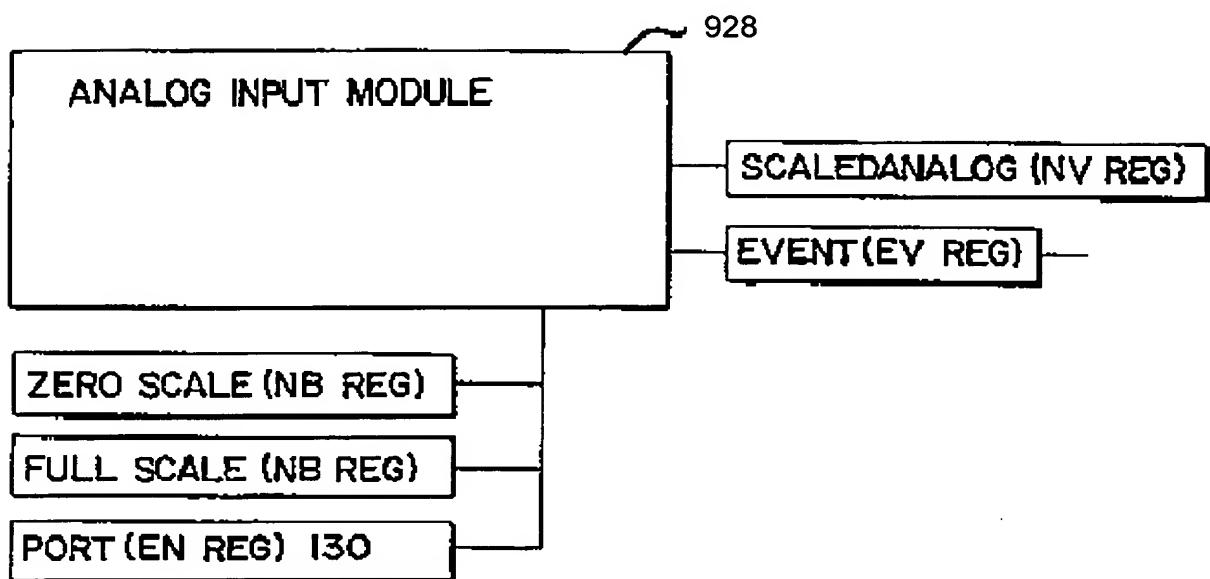
(22/63)



**FIG. 12L**



**FIG. 13 (23/63)**



**FIG. 14**

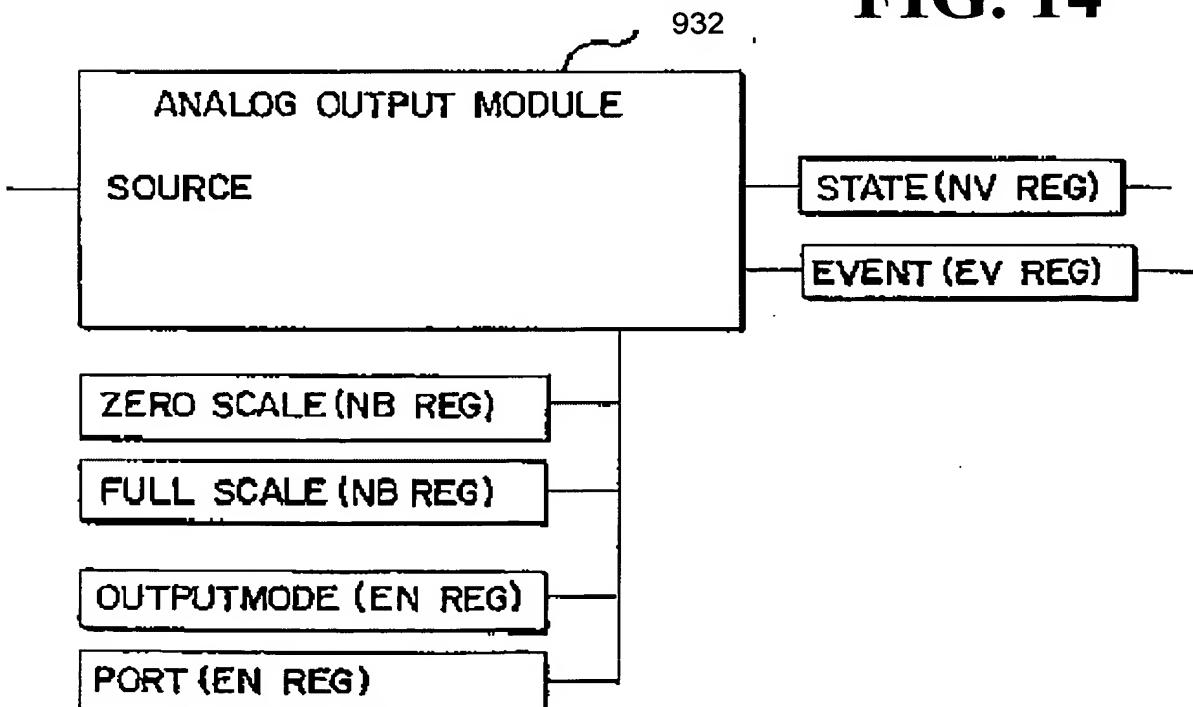
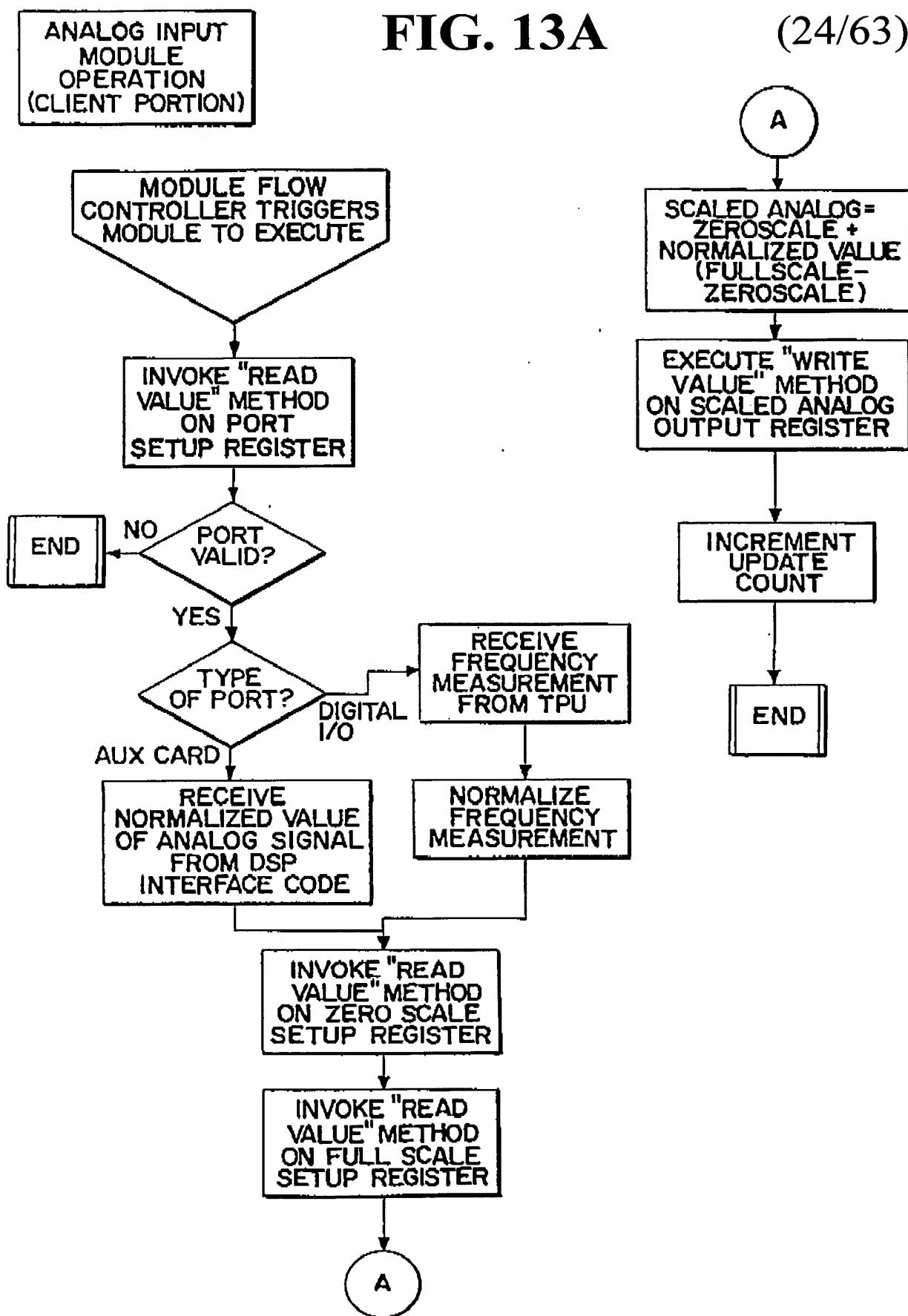
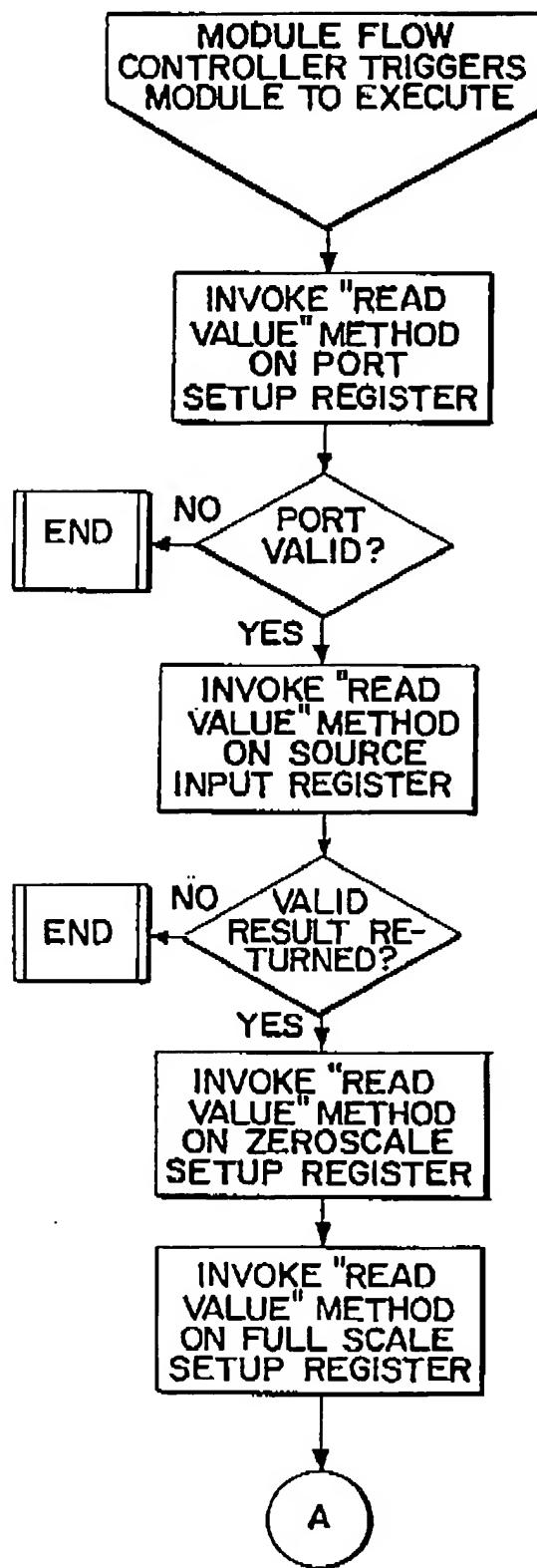


FIG. 13A

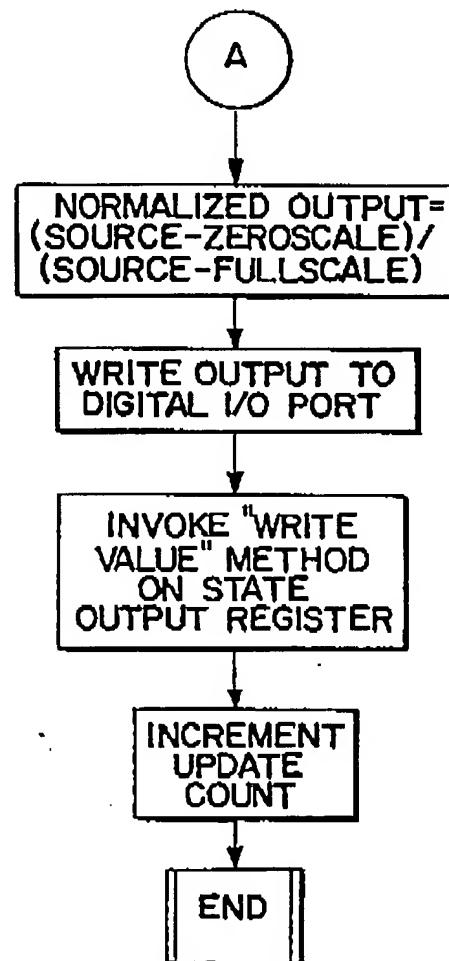
(24/63)



**ANALOG OUTPUT  
MODULE  
OPERATION  
(CLIENT PORTION)**

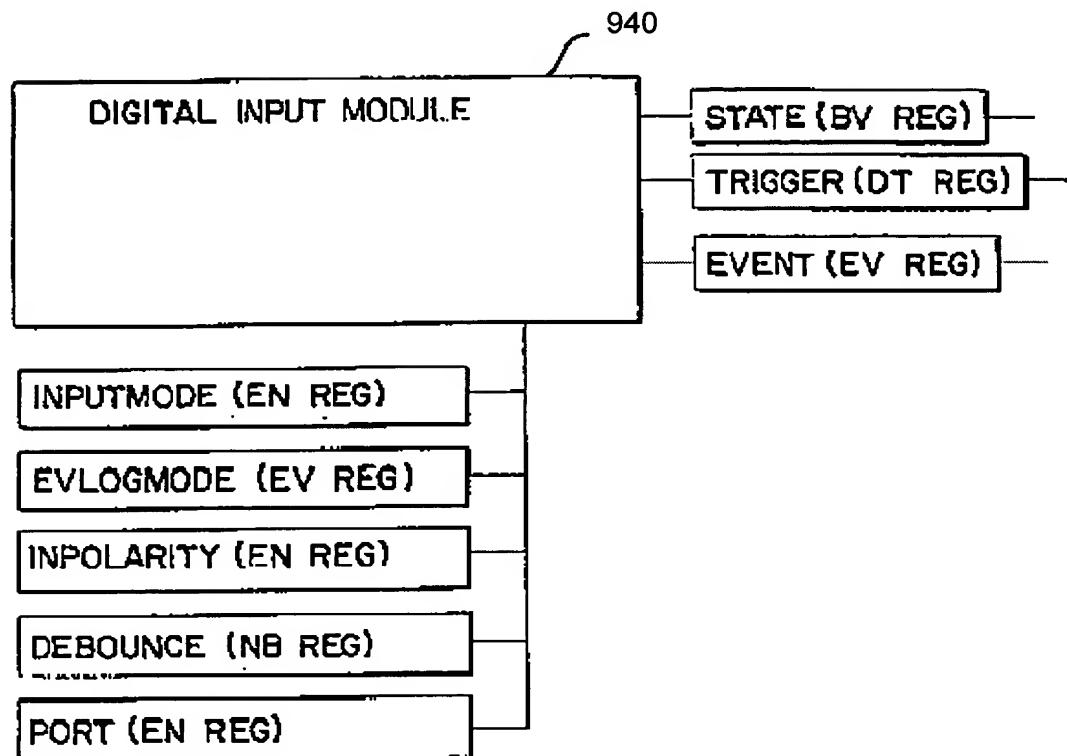


**FIG. 14A** (25/63)

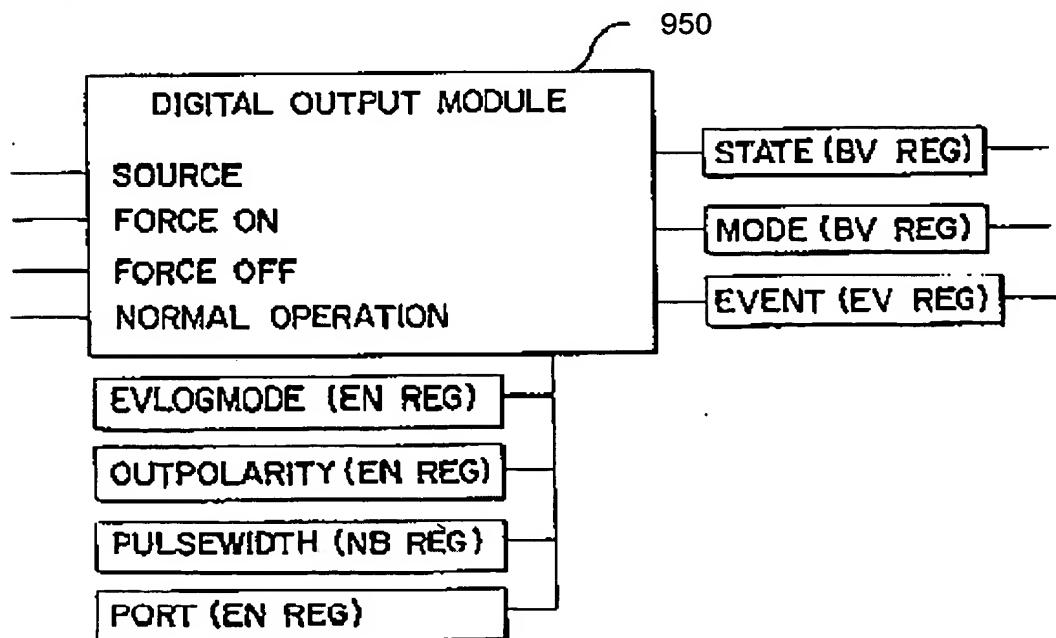


**FIG. 15**

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**FIG. 16**



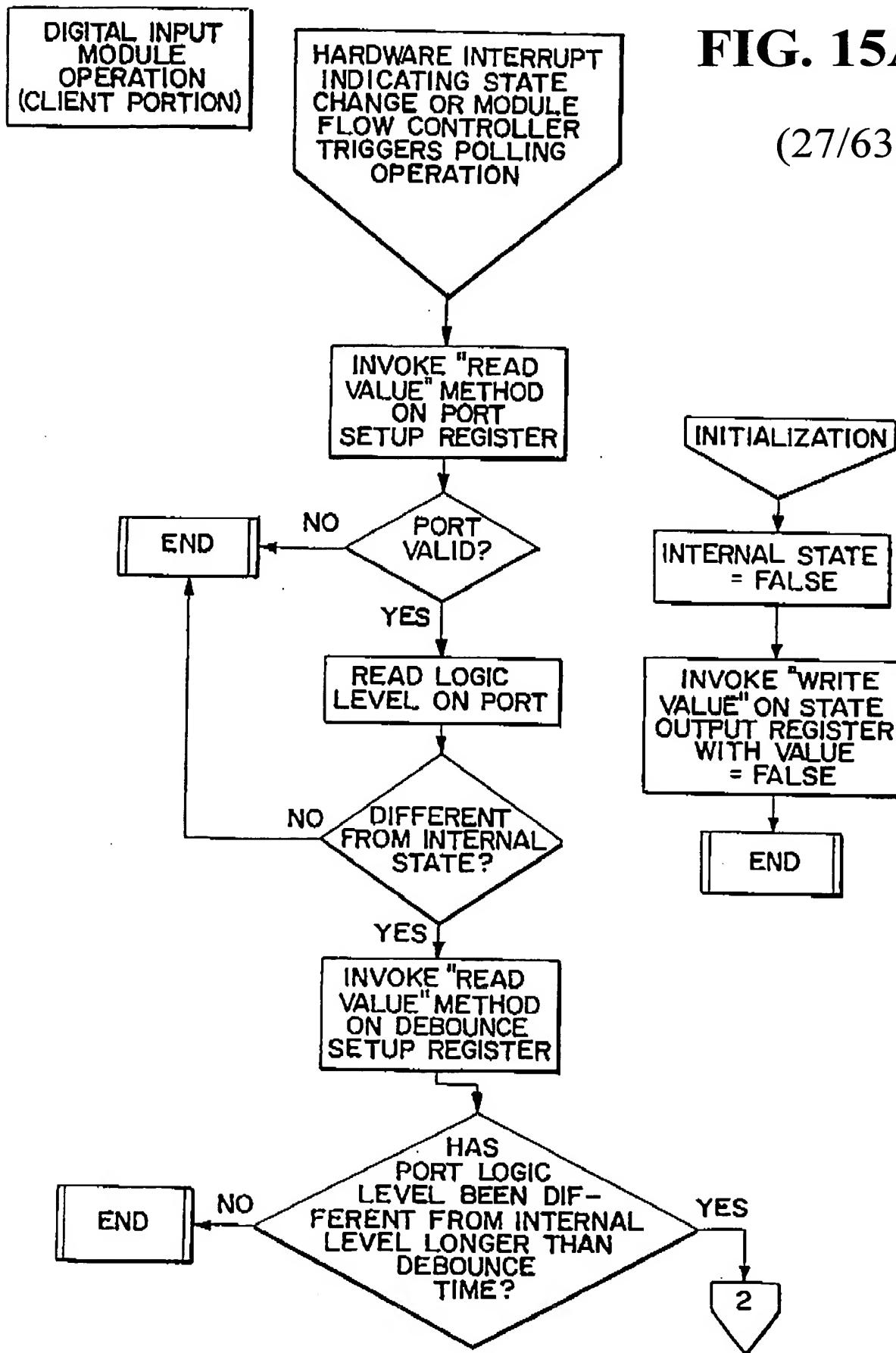
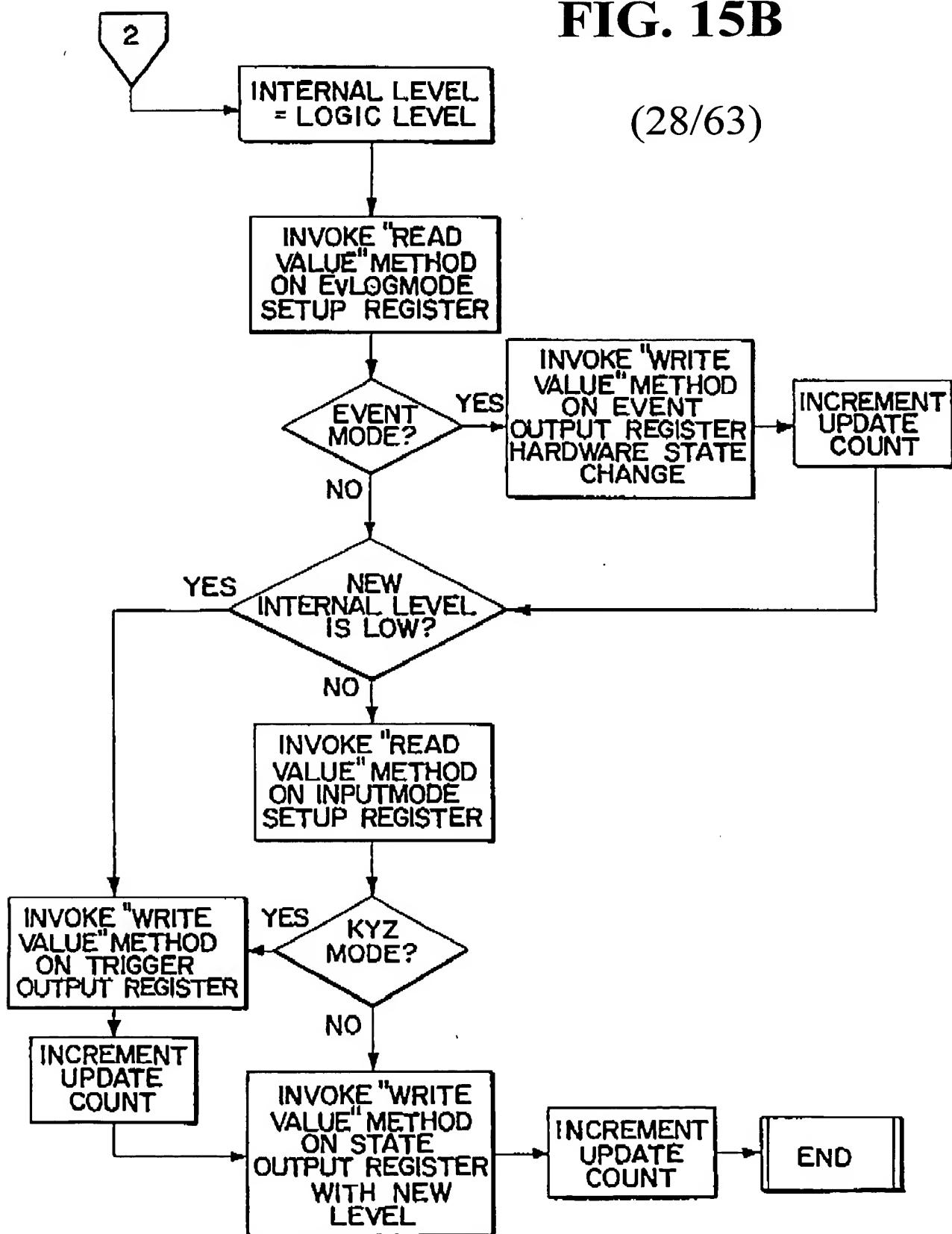
**FIG. 15A****(27/63)**

FIG. 15B

(28/63)



DIGITAL OUTPUT  
MODULE  
OPERATION  
(CLIENT PORTION)

FIG. 16A

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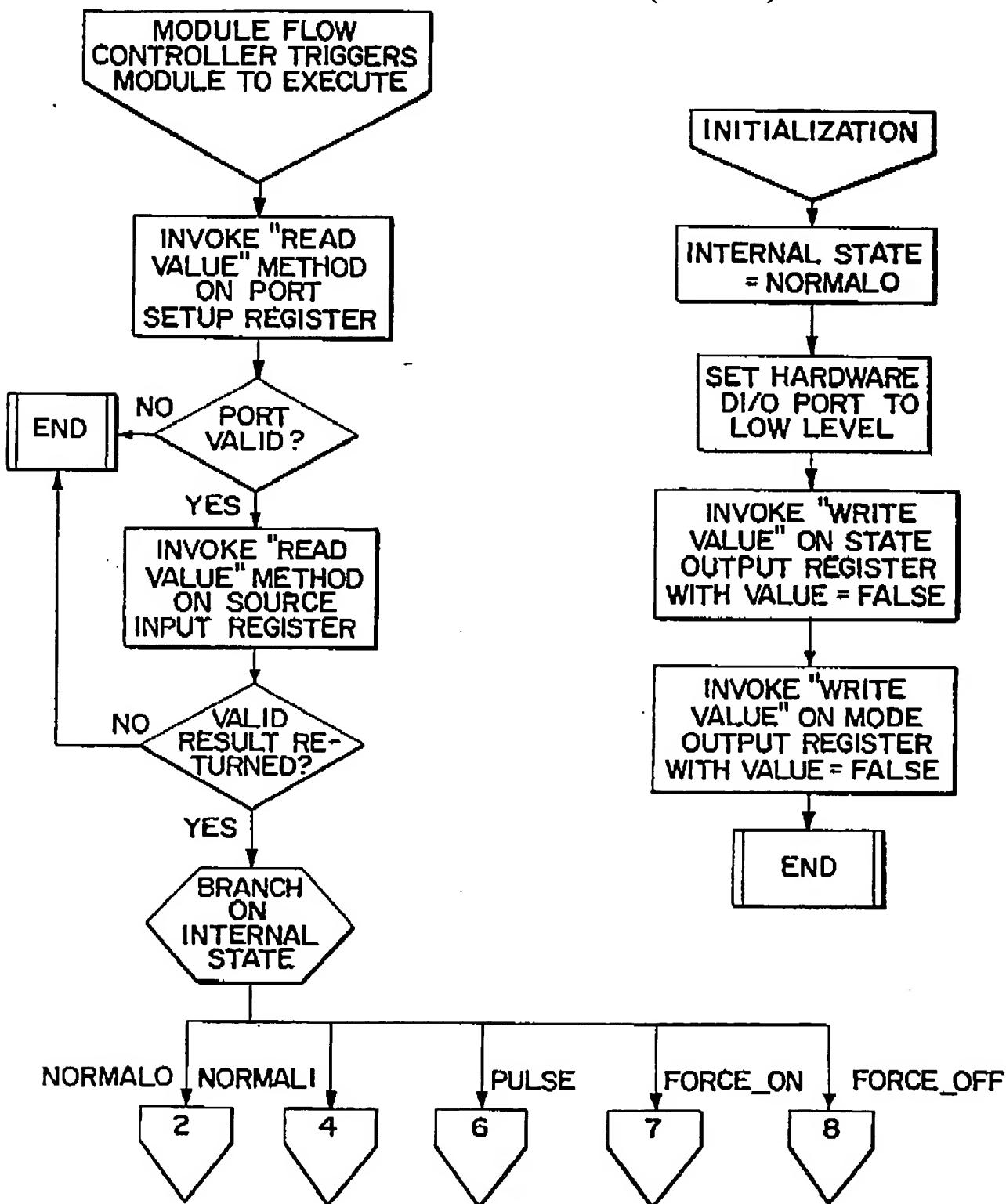
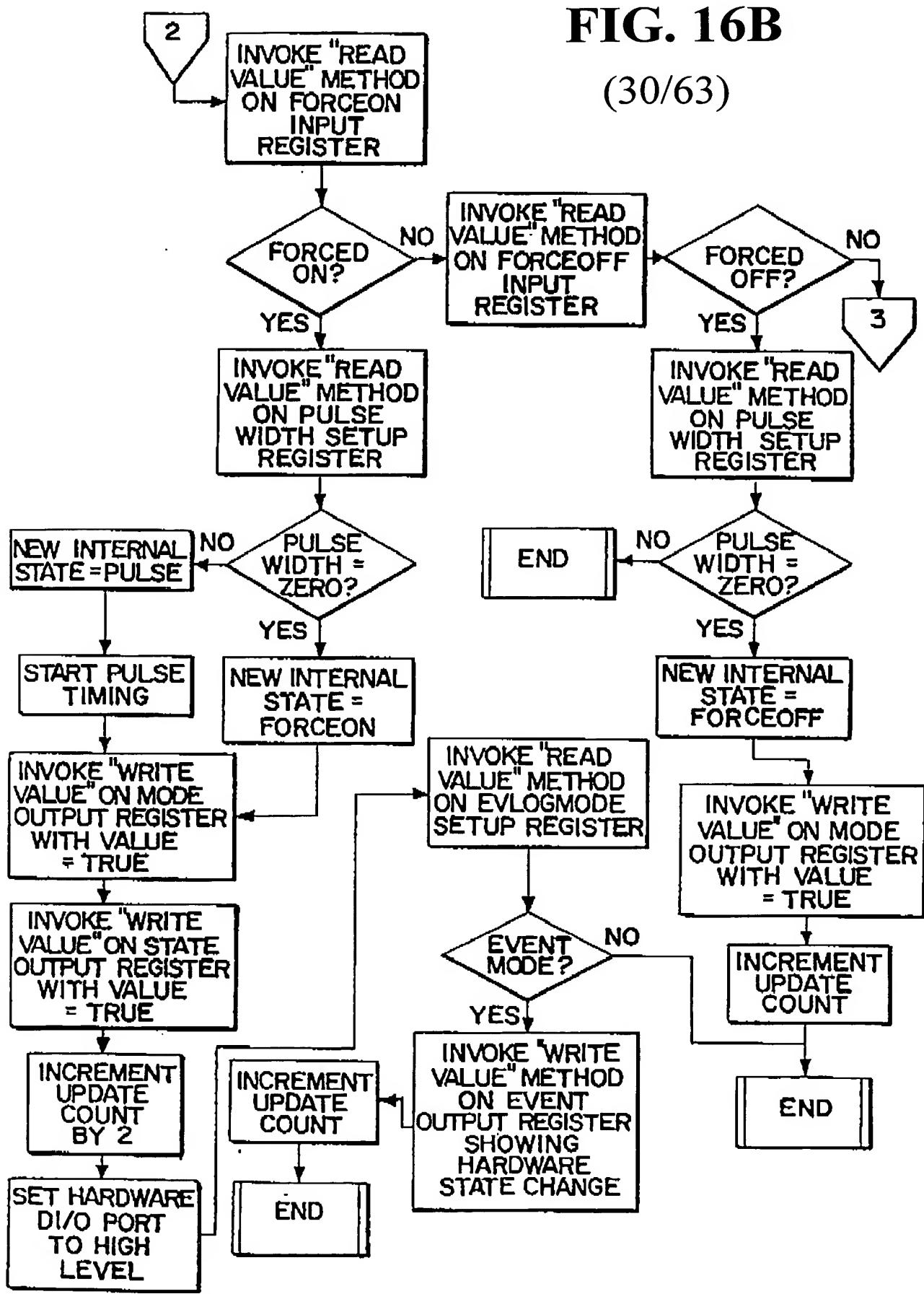


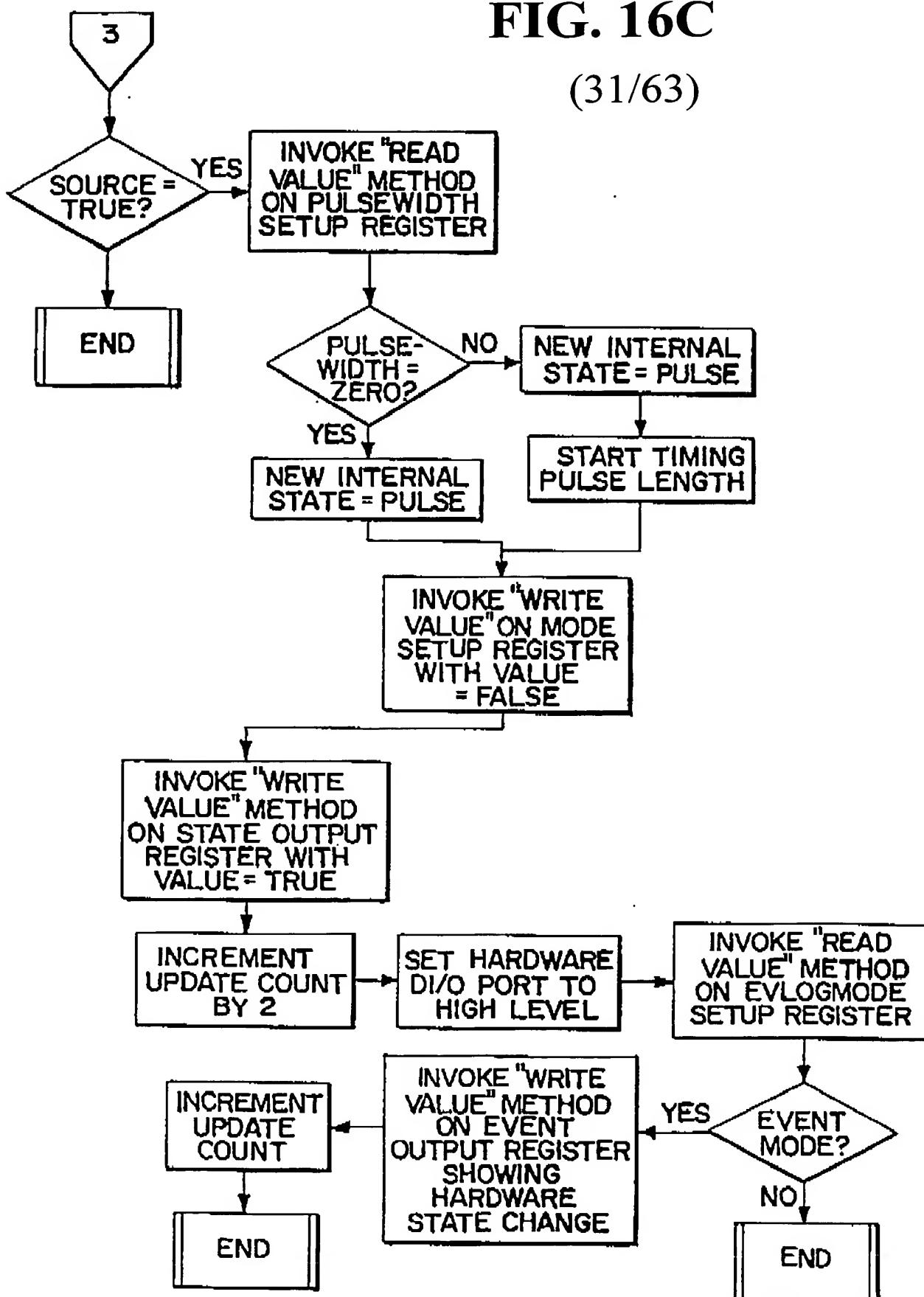
FIG. 16B

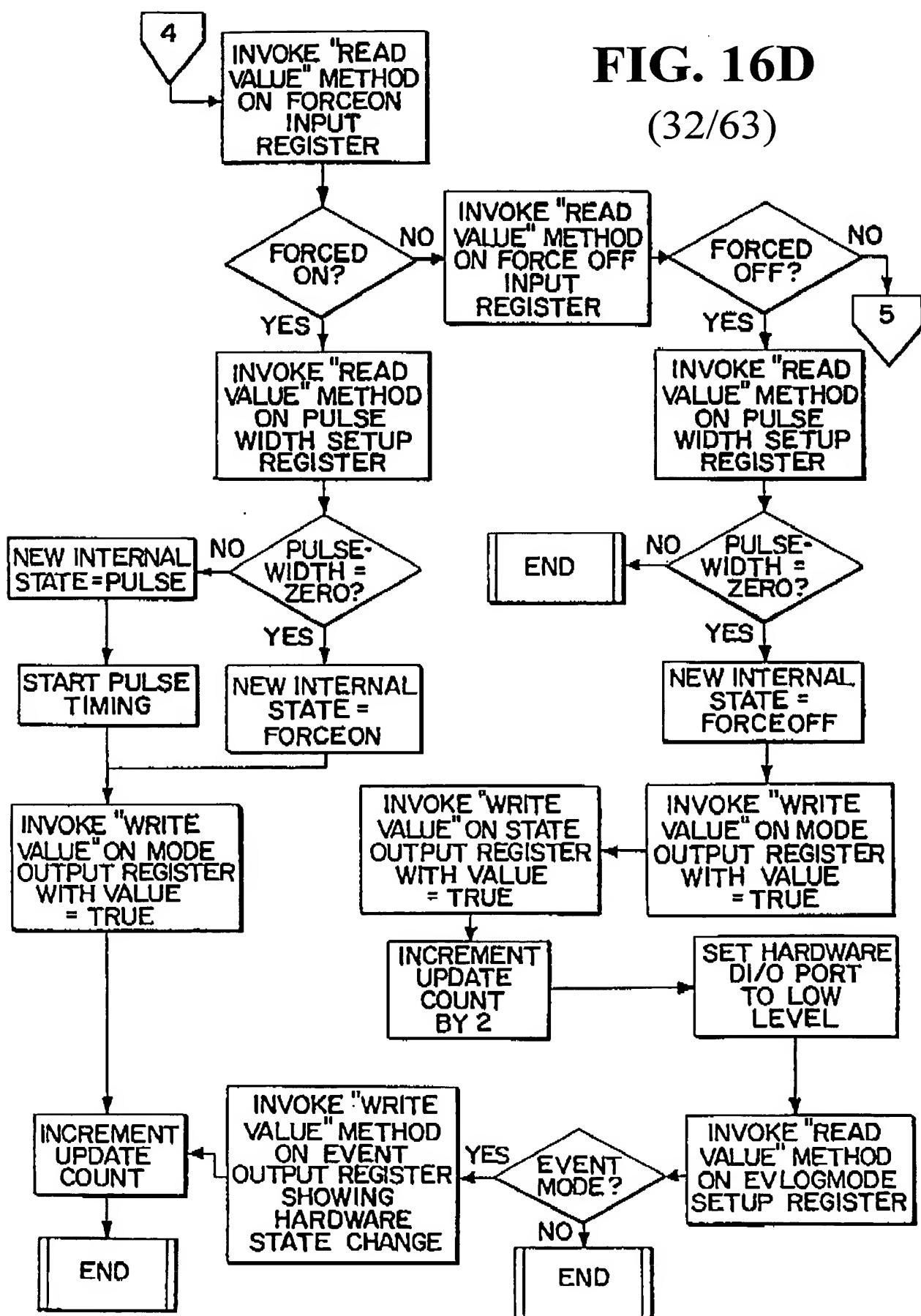
(30/63)



**FIG. 16C**

(31/63)





# FIG. 16E

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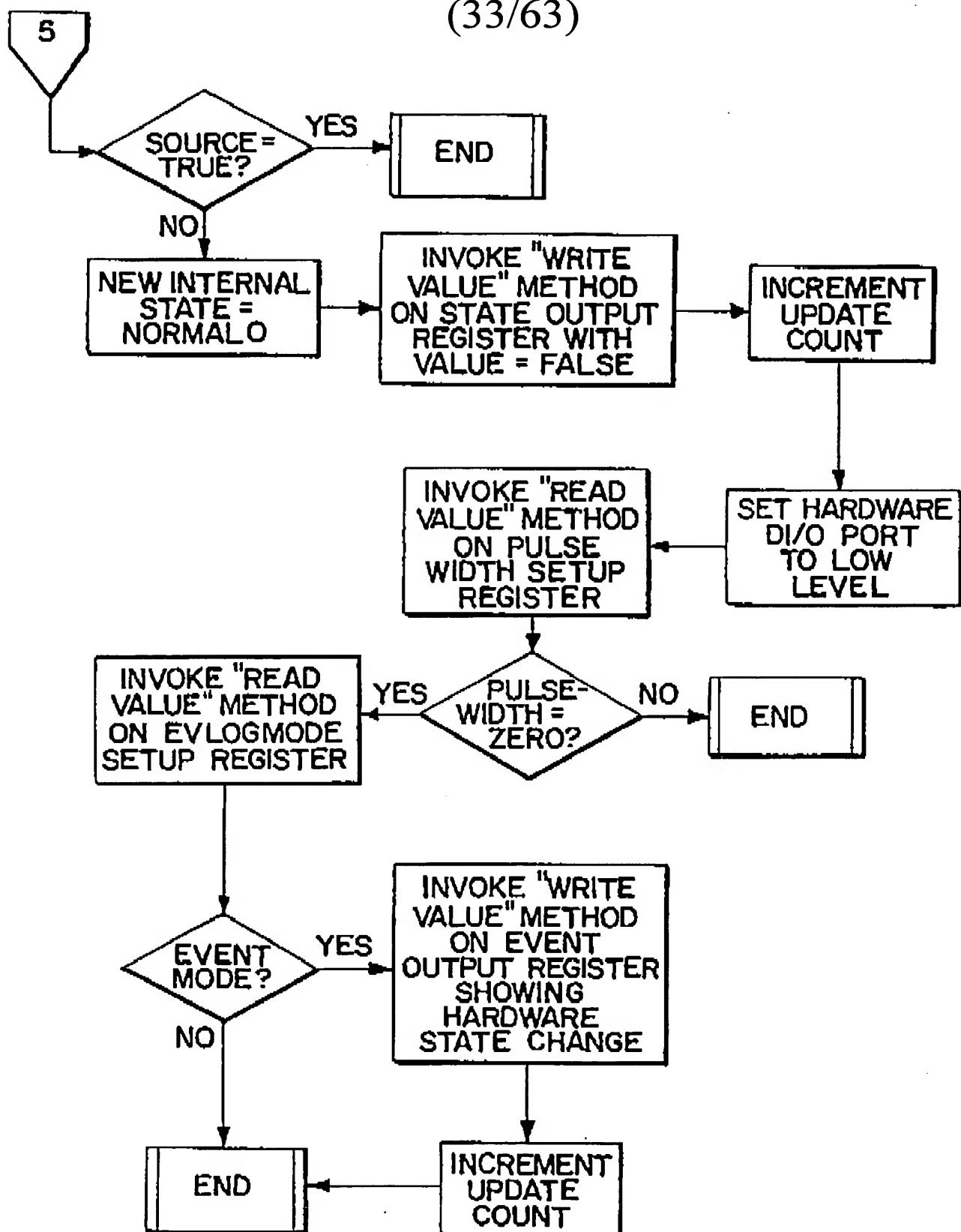
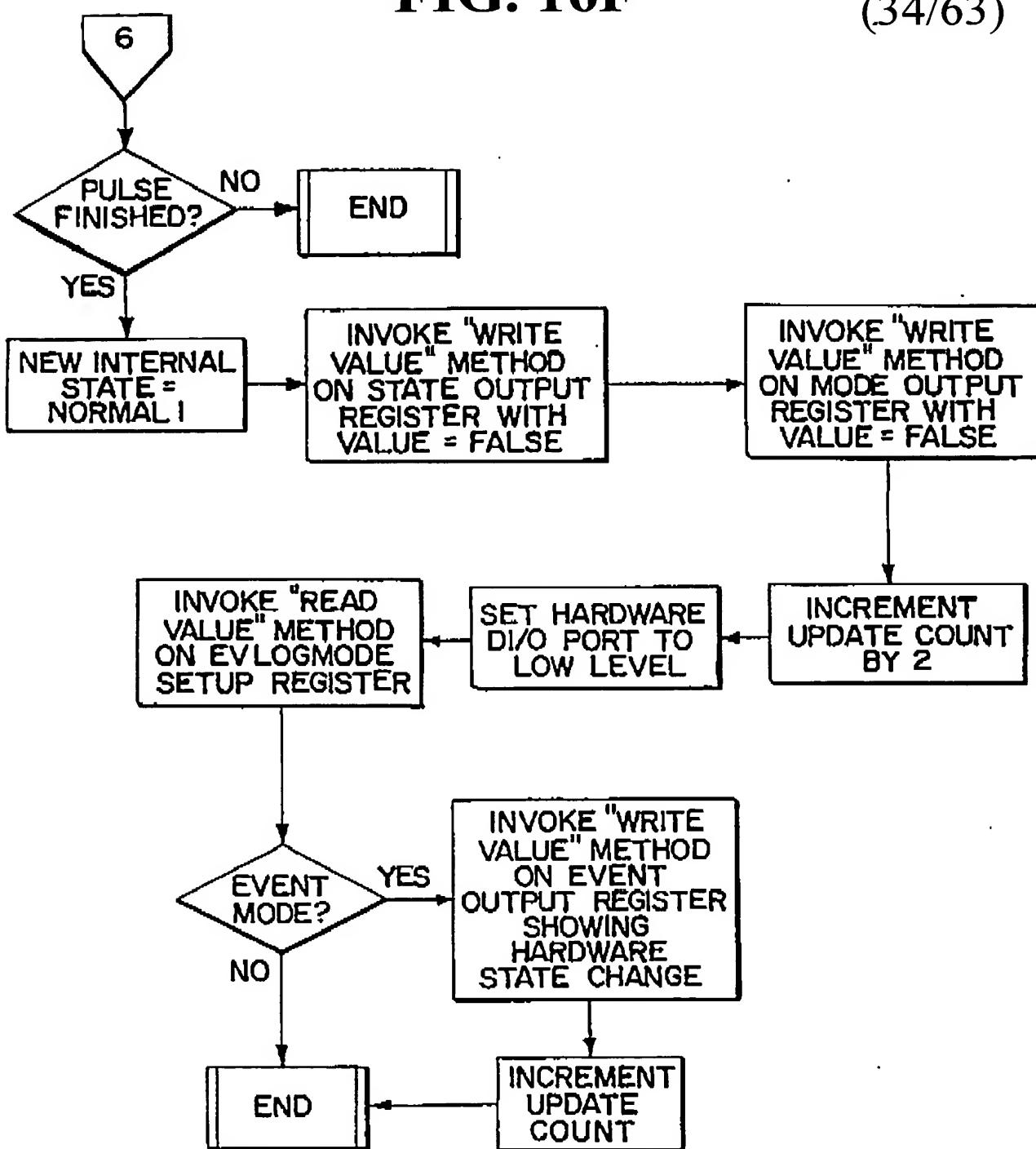


FIG. 16F

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**FIG. 16G**  
(35/63)

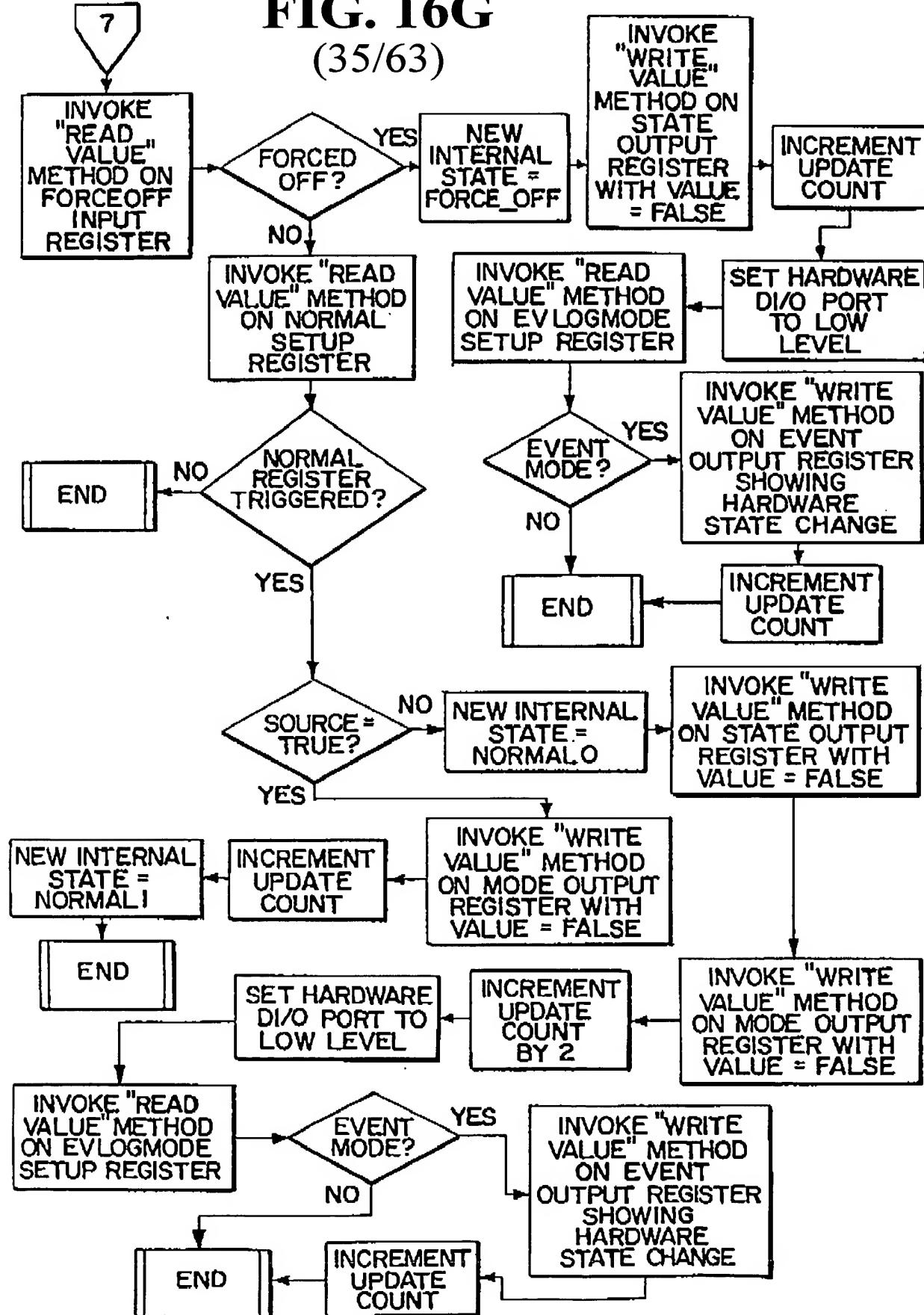
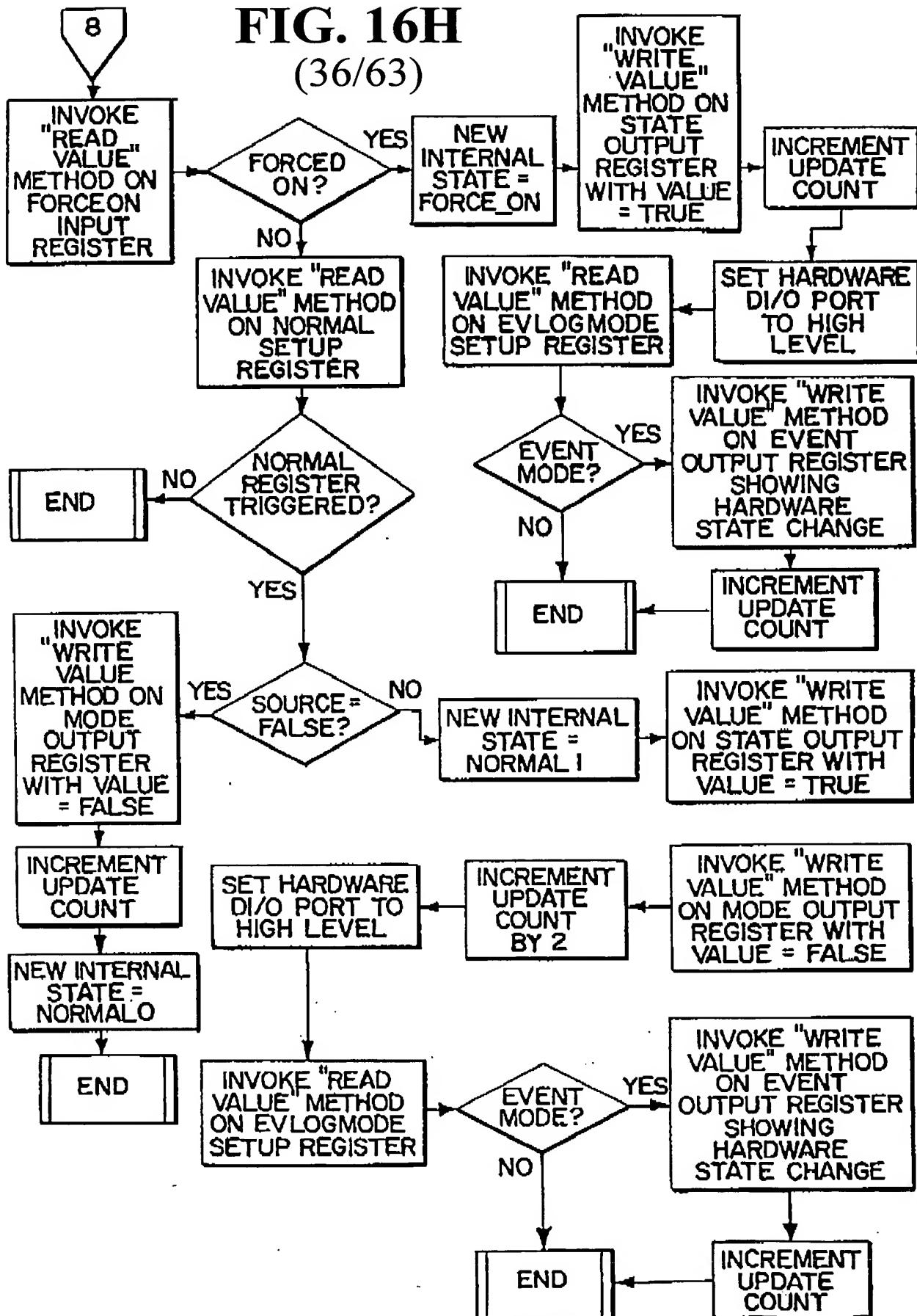
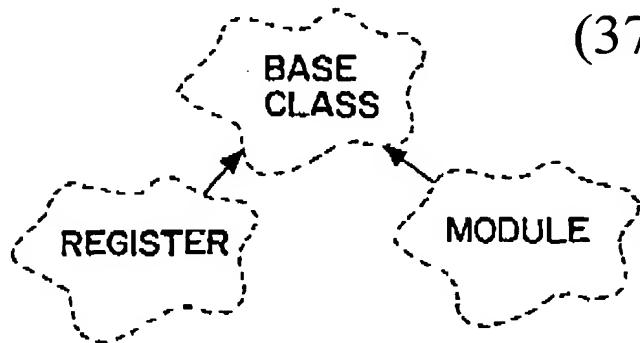


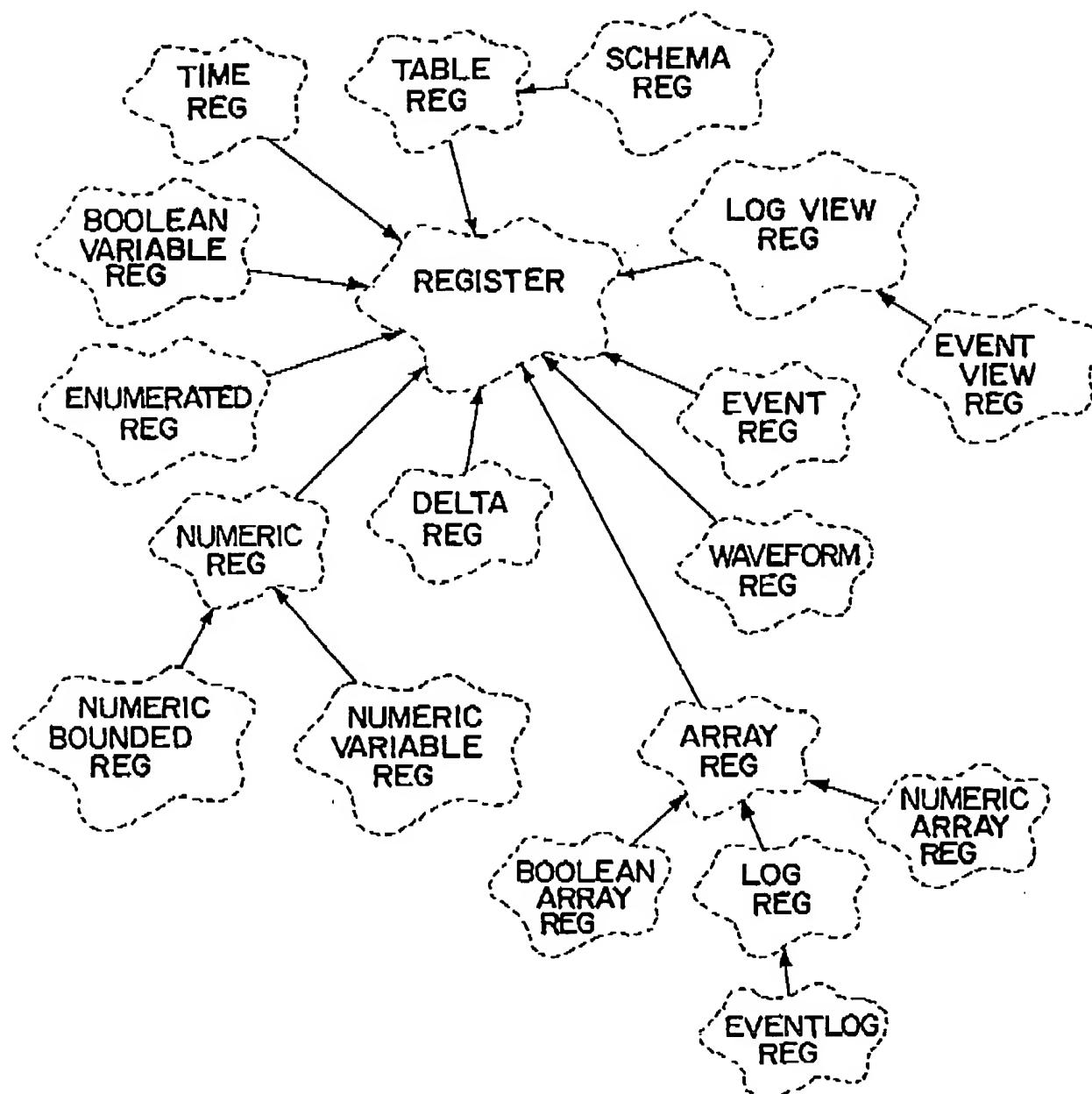
FIG. 16H  
(36/63)

**FIG. 17**

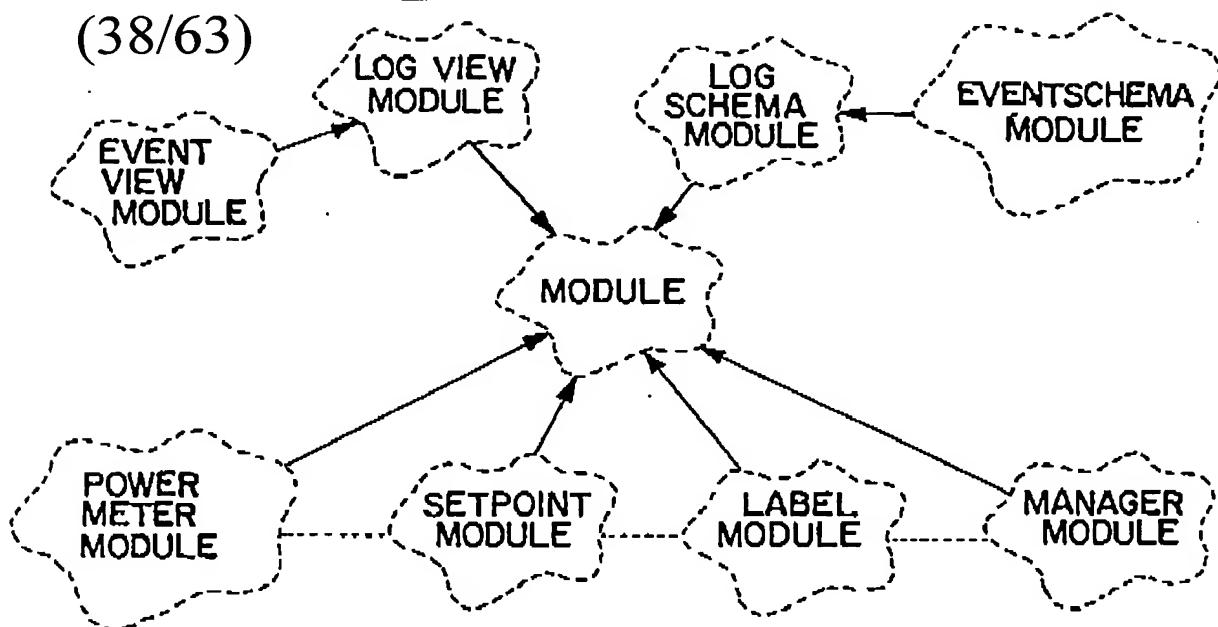
(37/63)



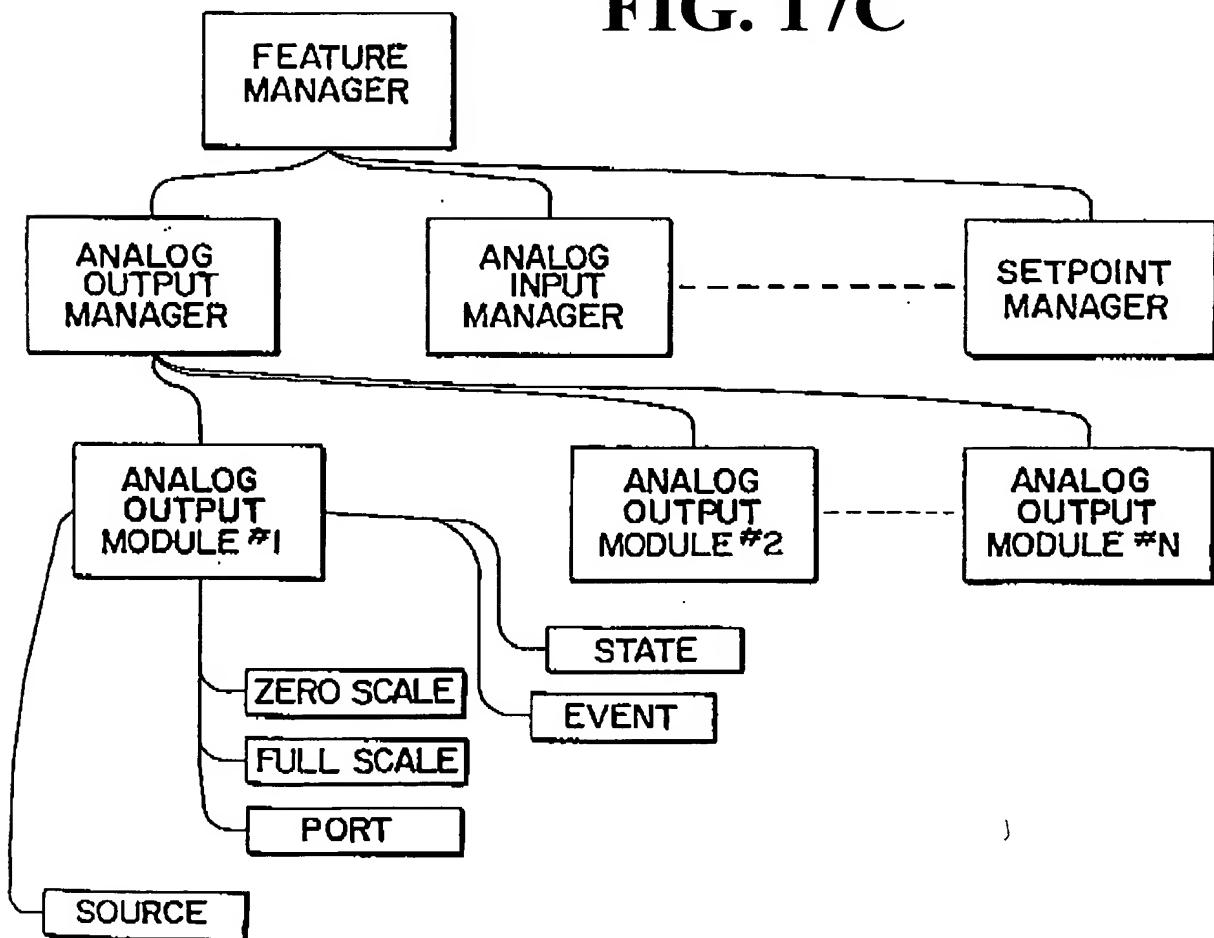
**FIG. 17A**



**FIG. 17B**

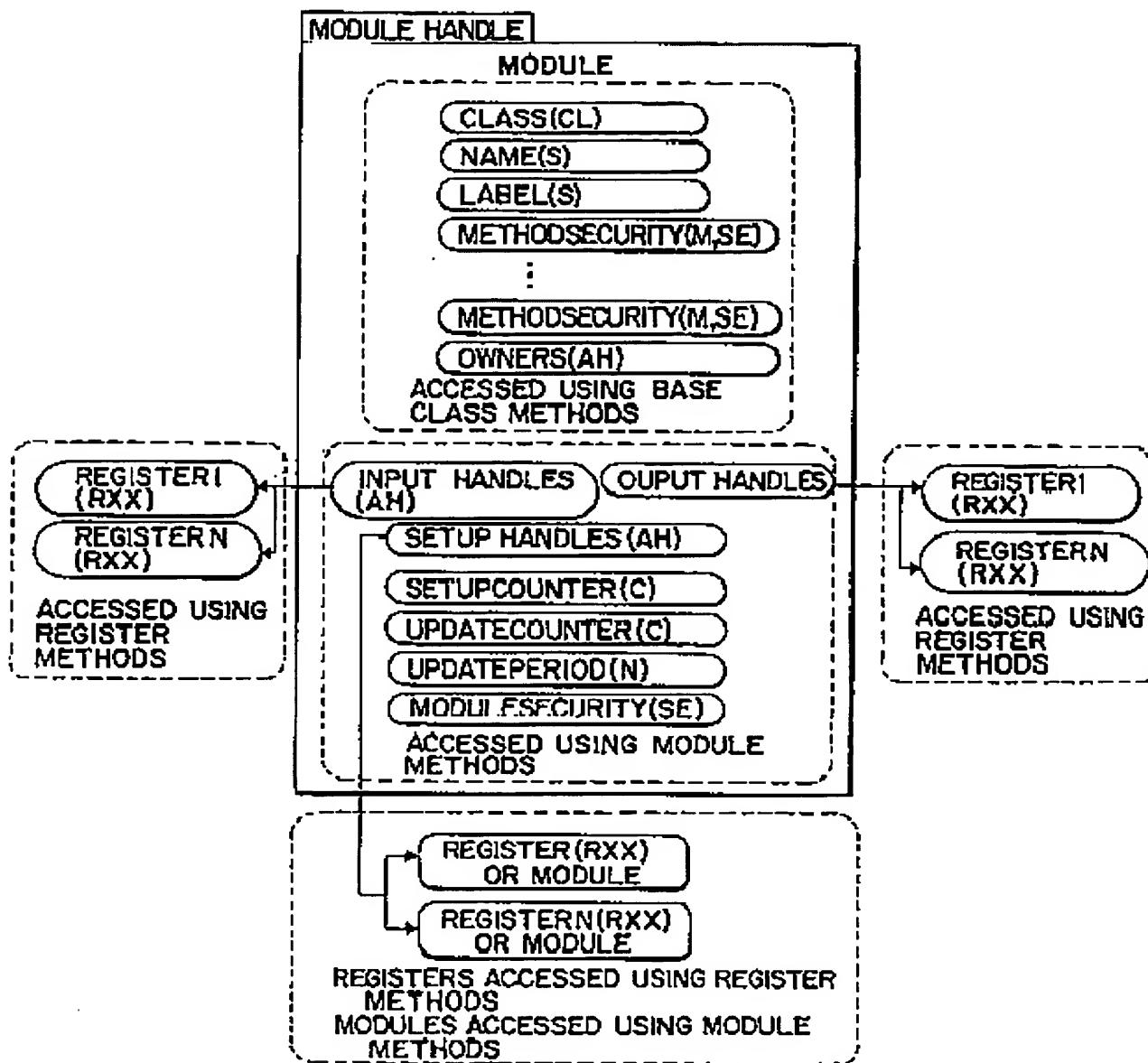


**FIG. 17C**

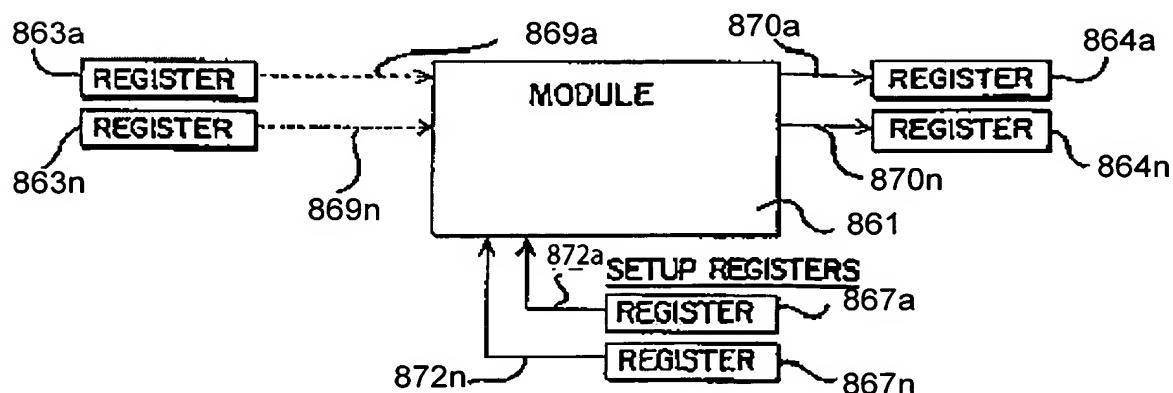


**FIG. 18**

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**FIG. 19**



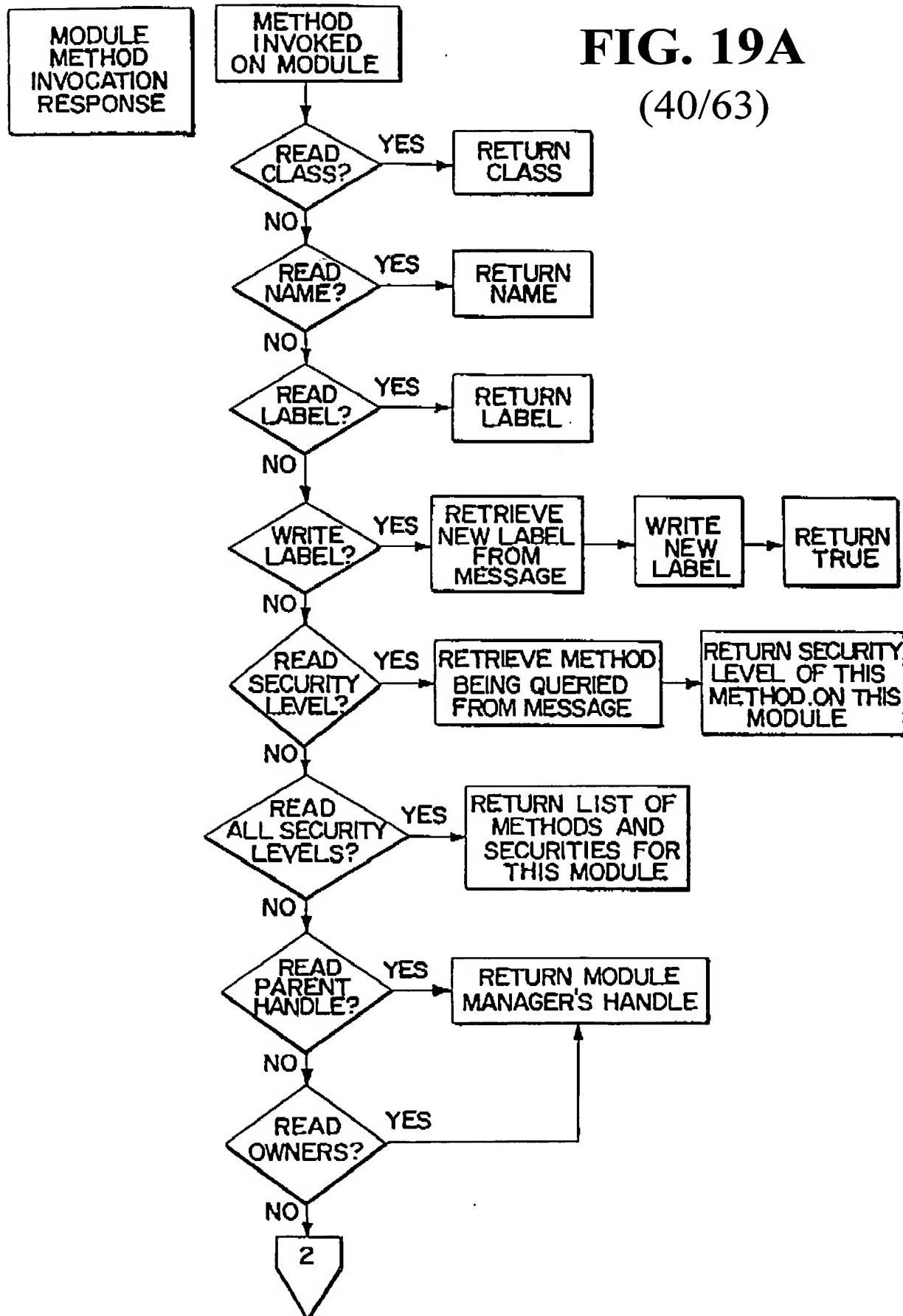
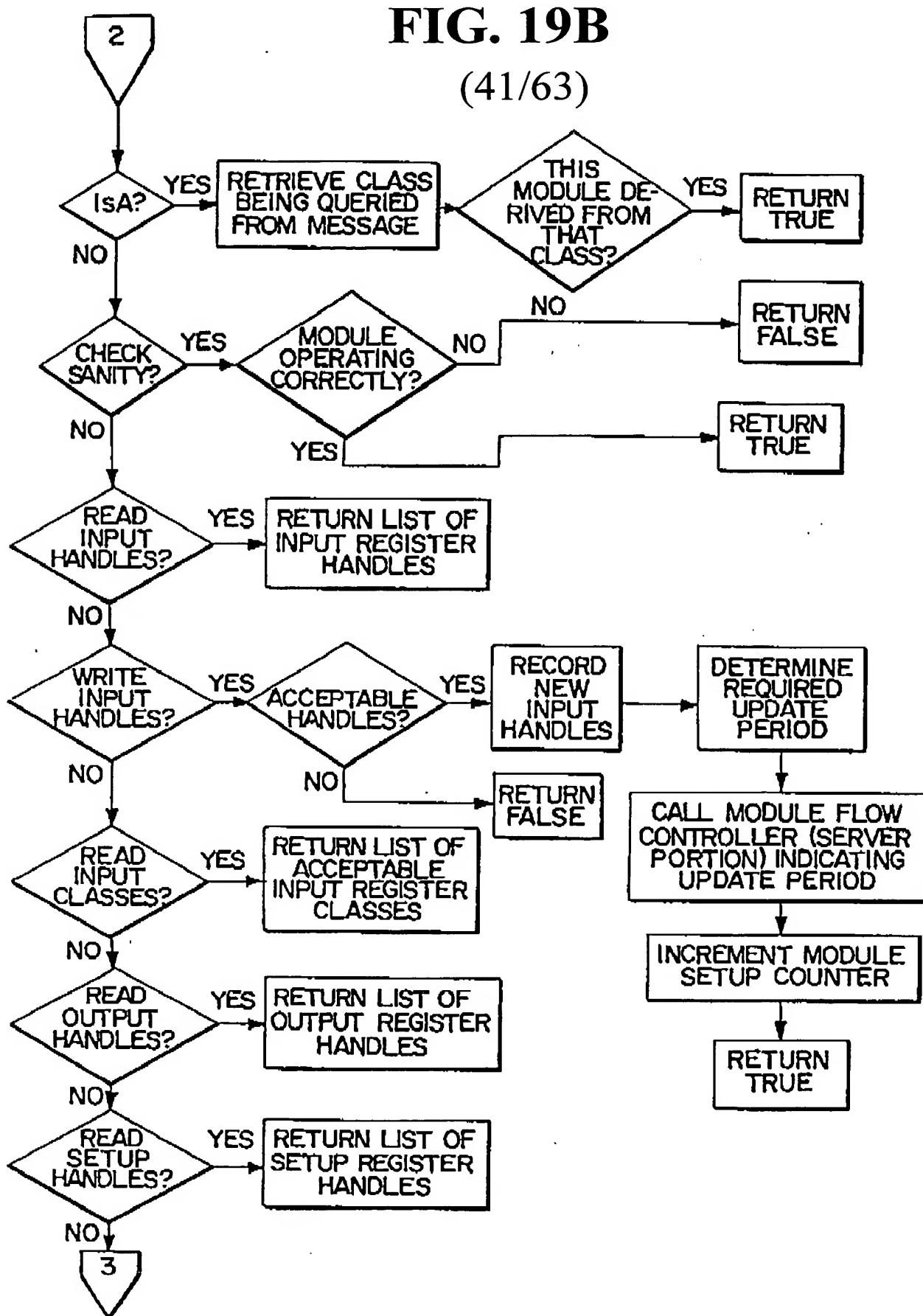


FIG. 19B

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FIG. 19C

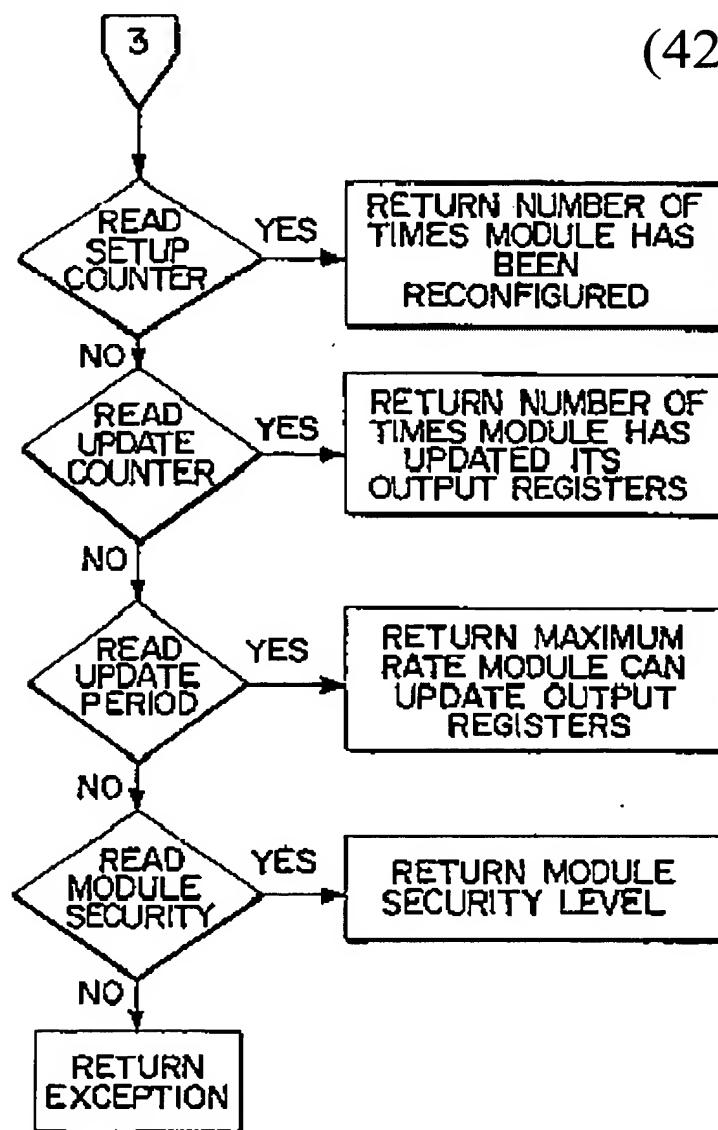
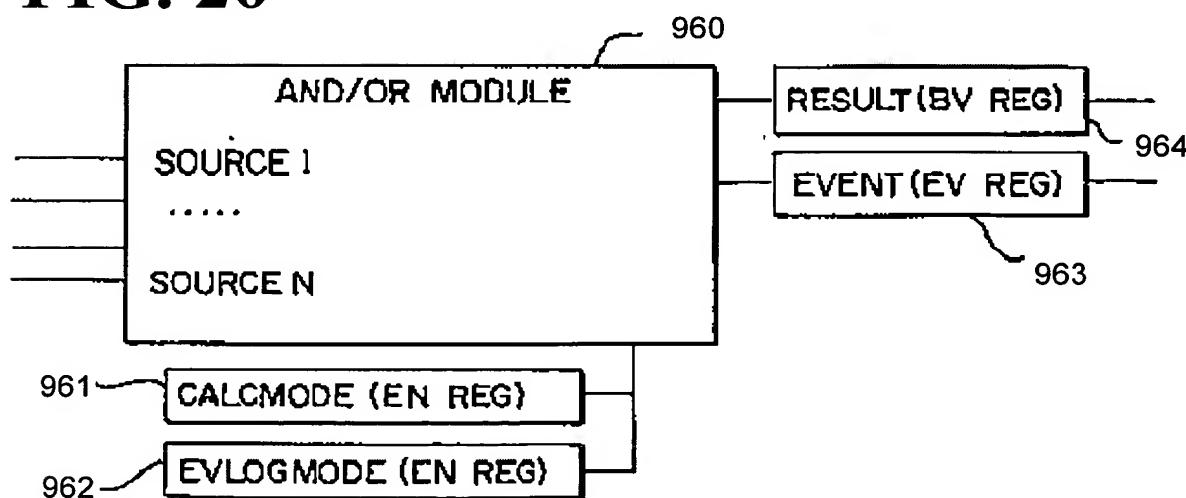
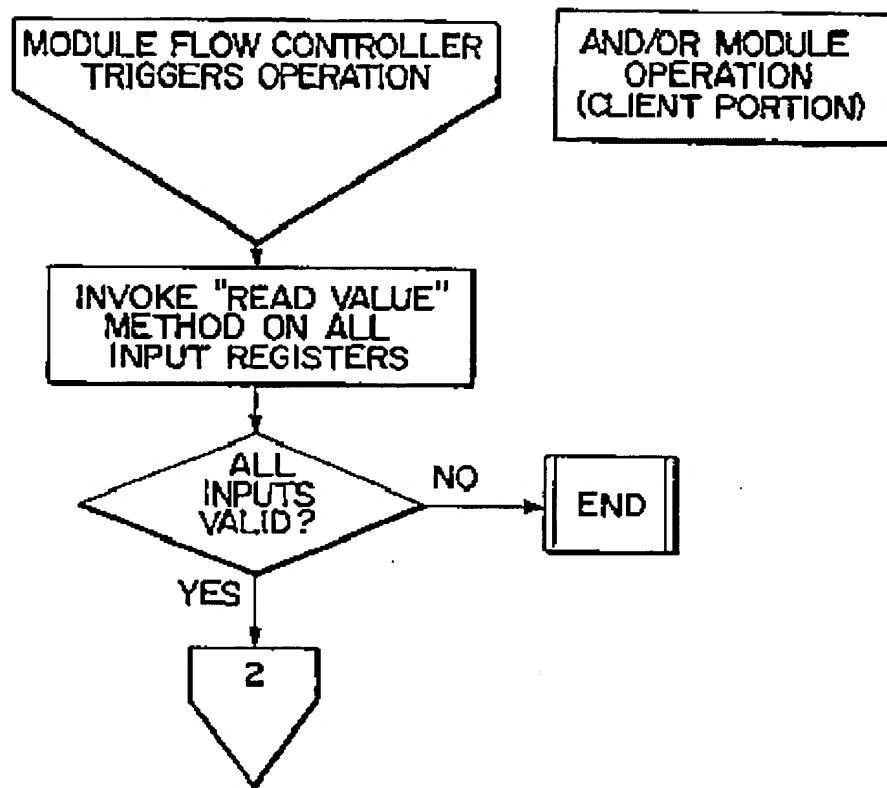


FIG. 20



**FIG. 20A**

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**FIG. 21**

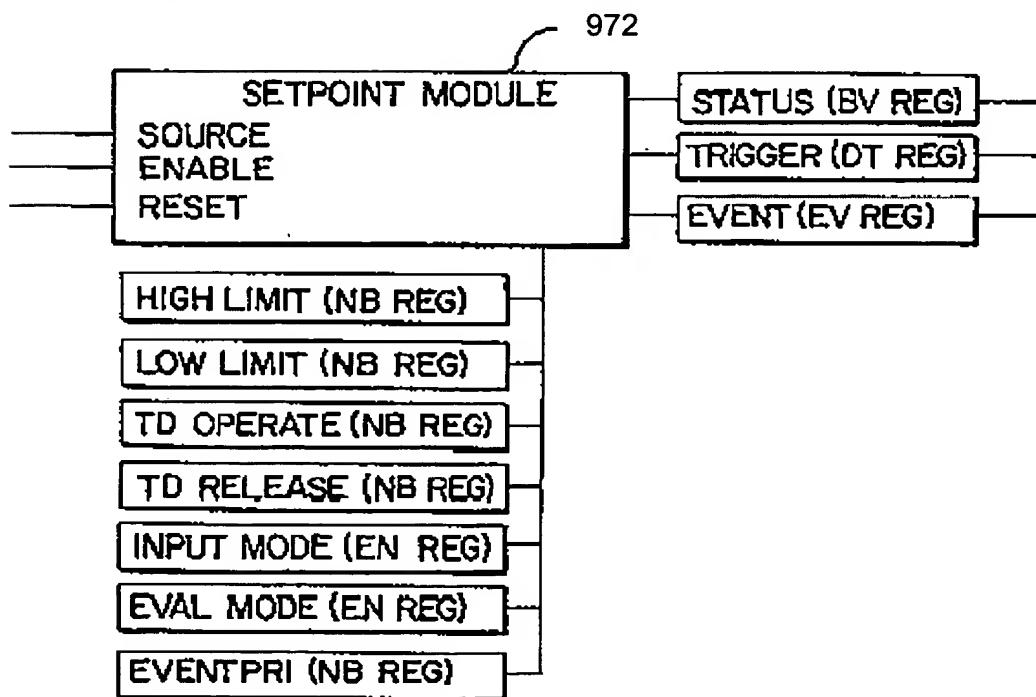


FIG. 20B

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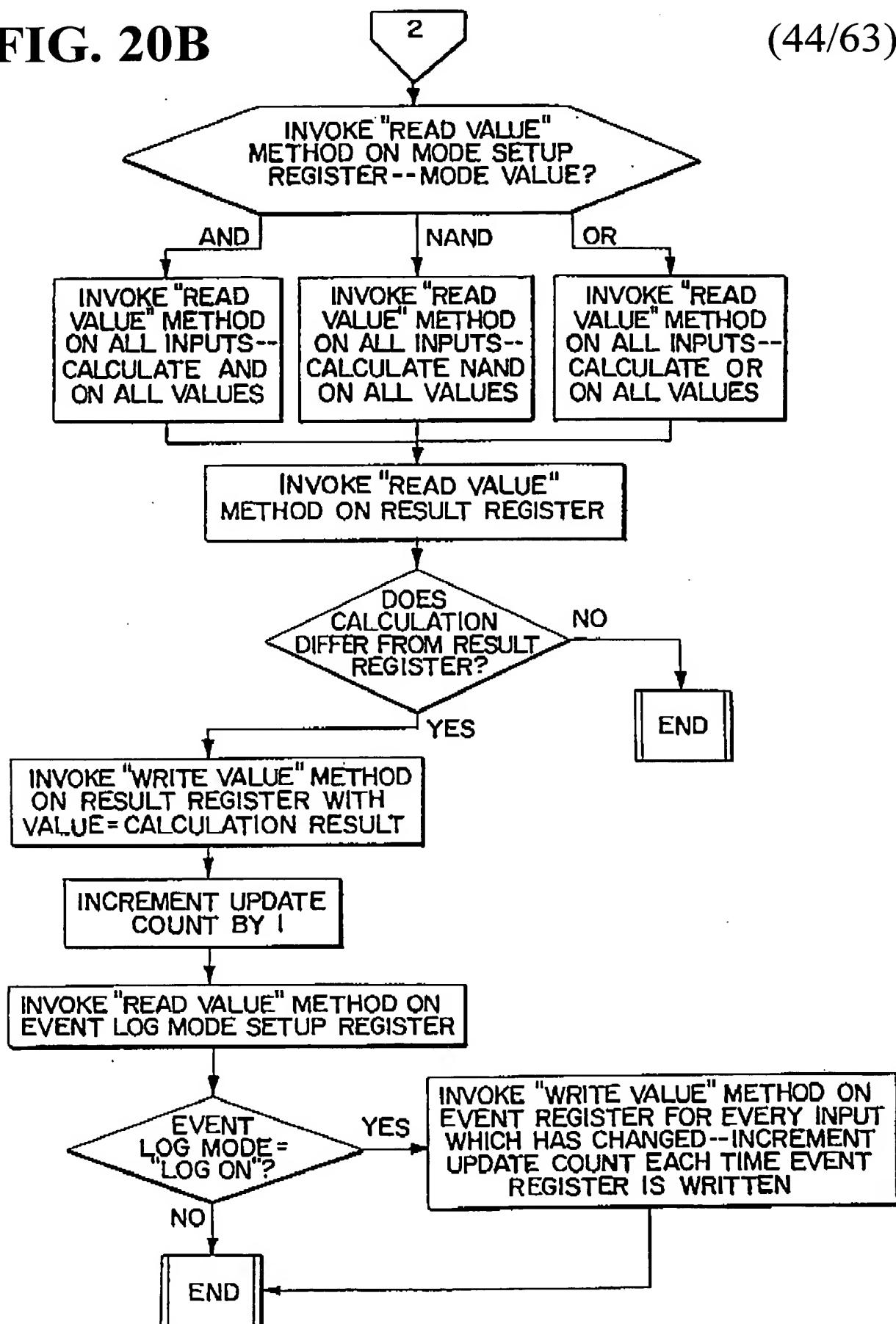
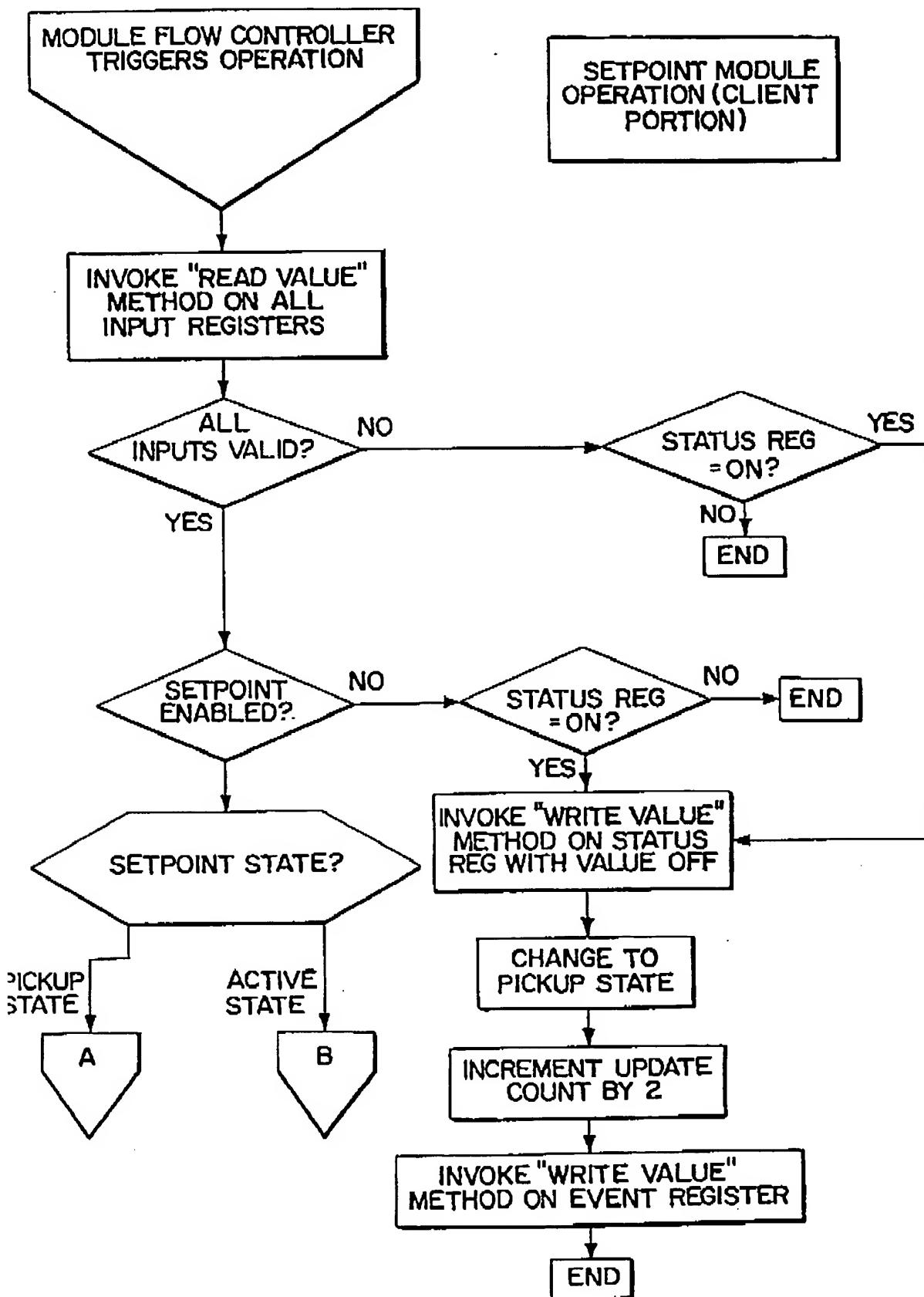


FIG. 21A

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**FIG. 21B**

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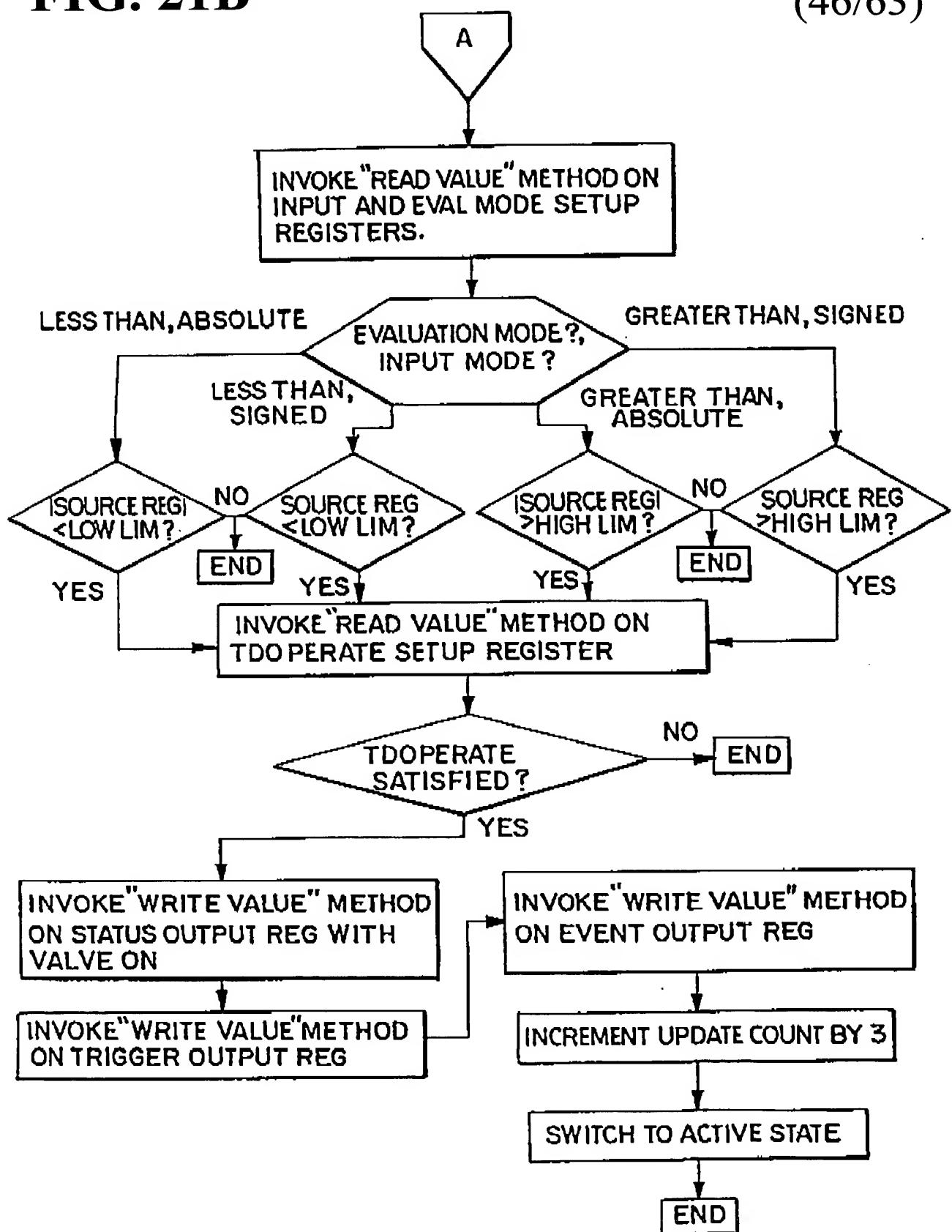
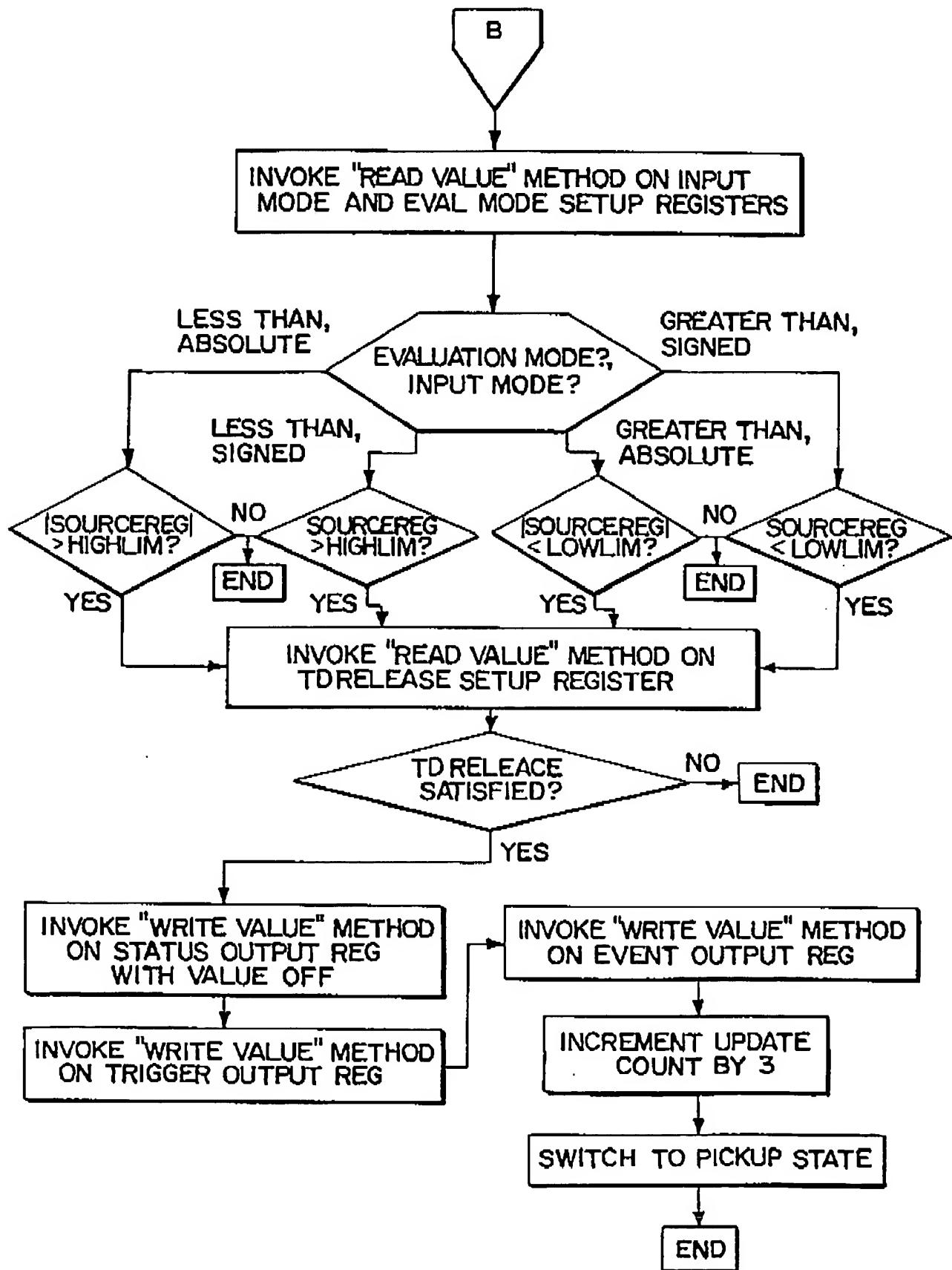


FIG. 21C

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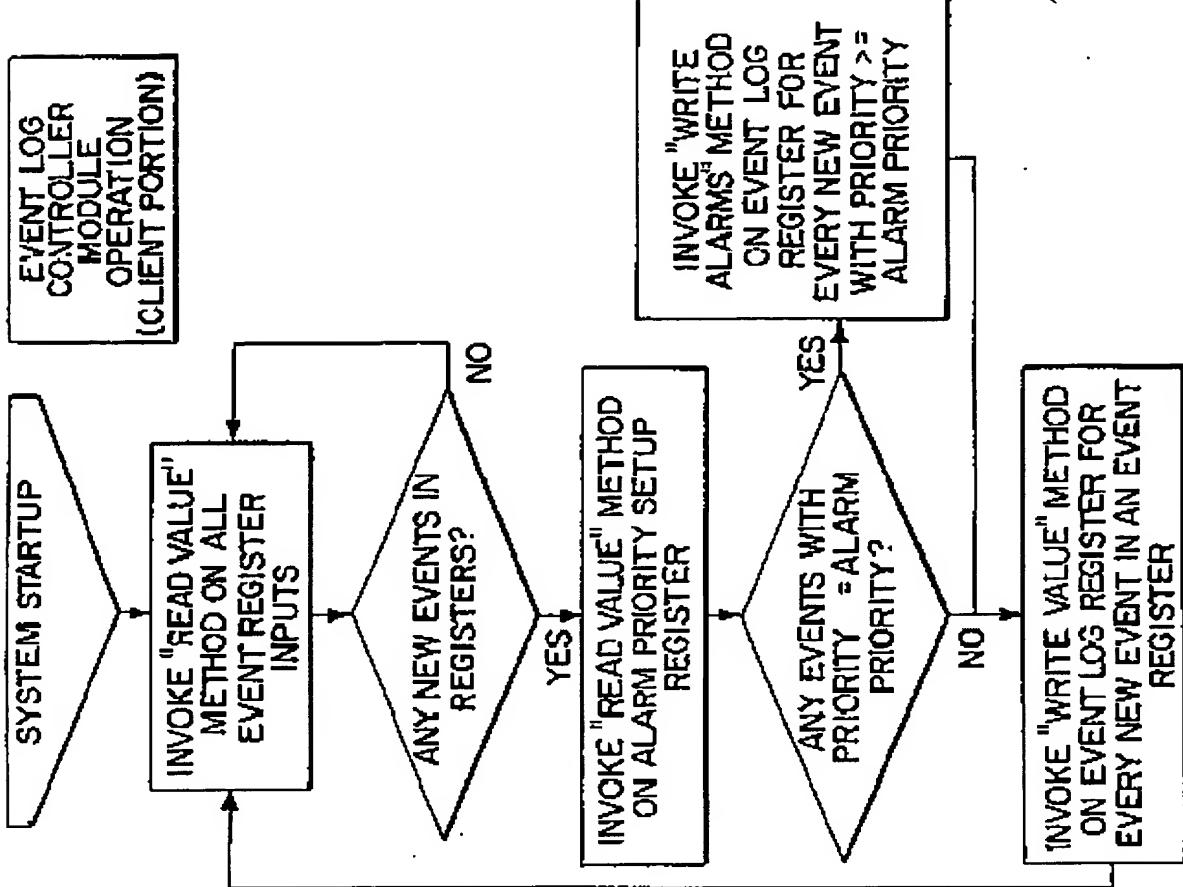
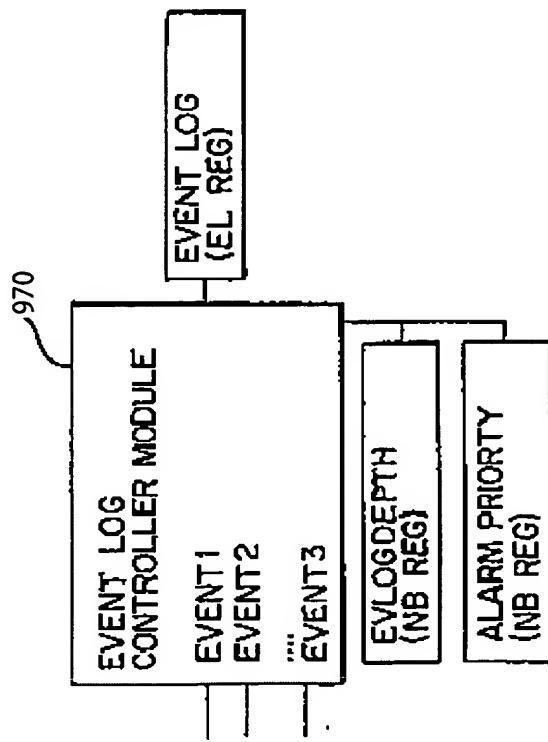


FIG. 22A

FIG. 22



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FIG. 24A

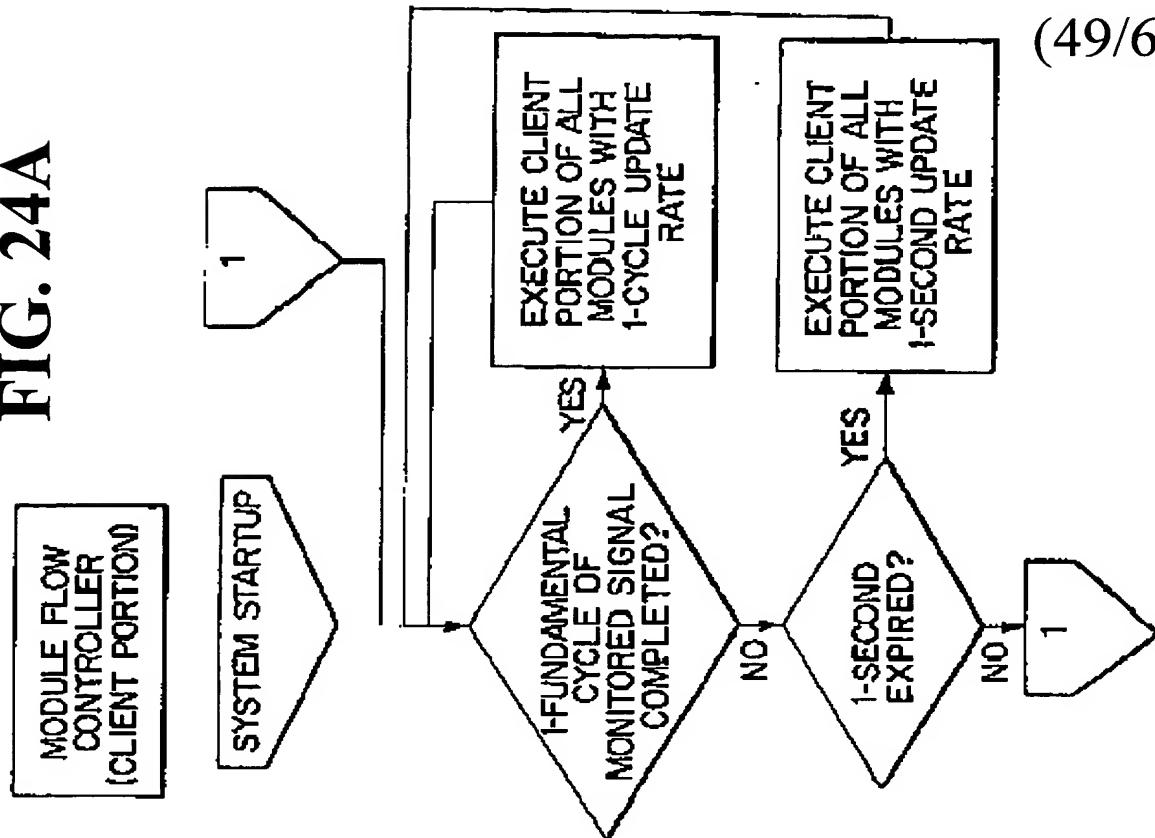
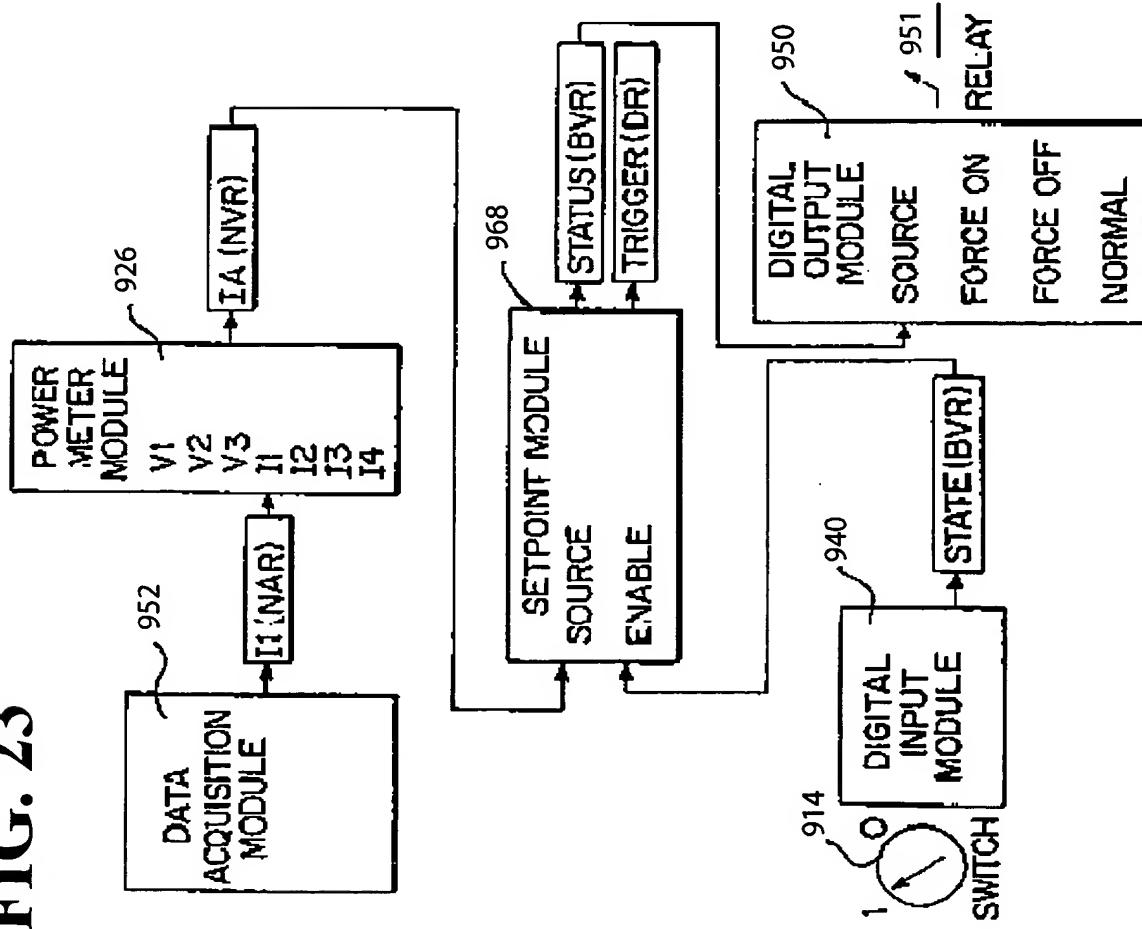


FIG. 23



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FIG. 25

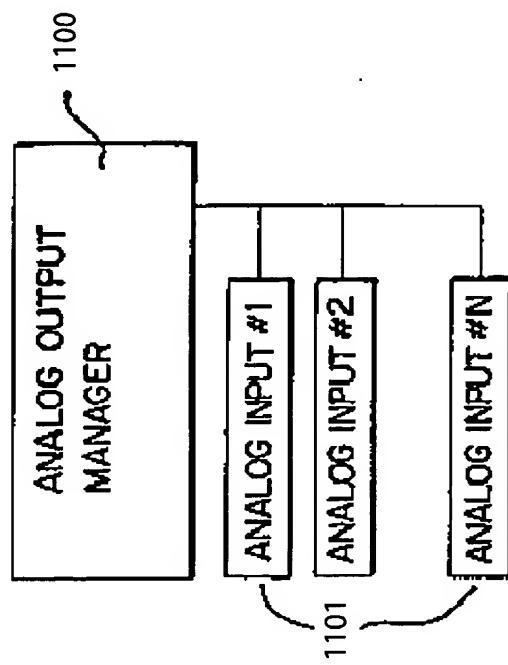
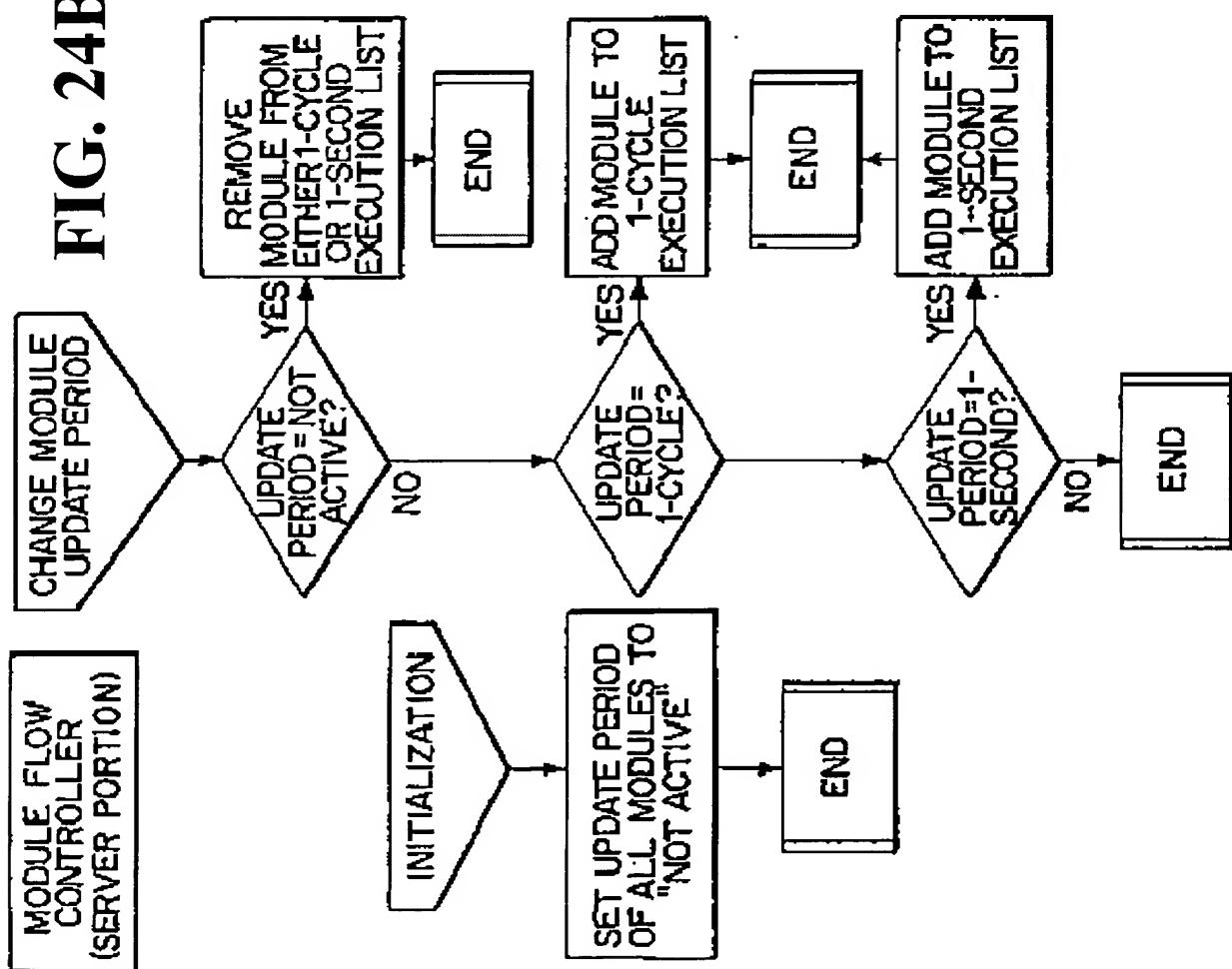
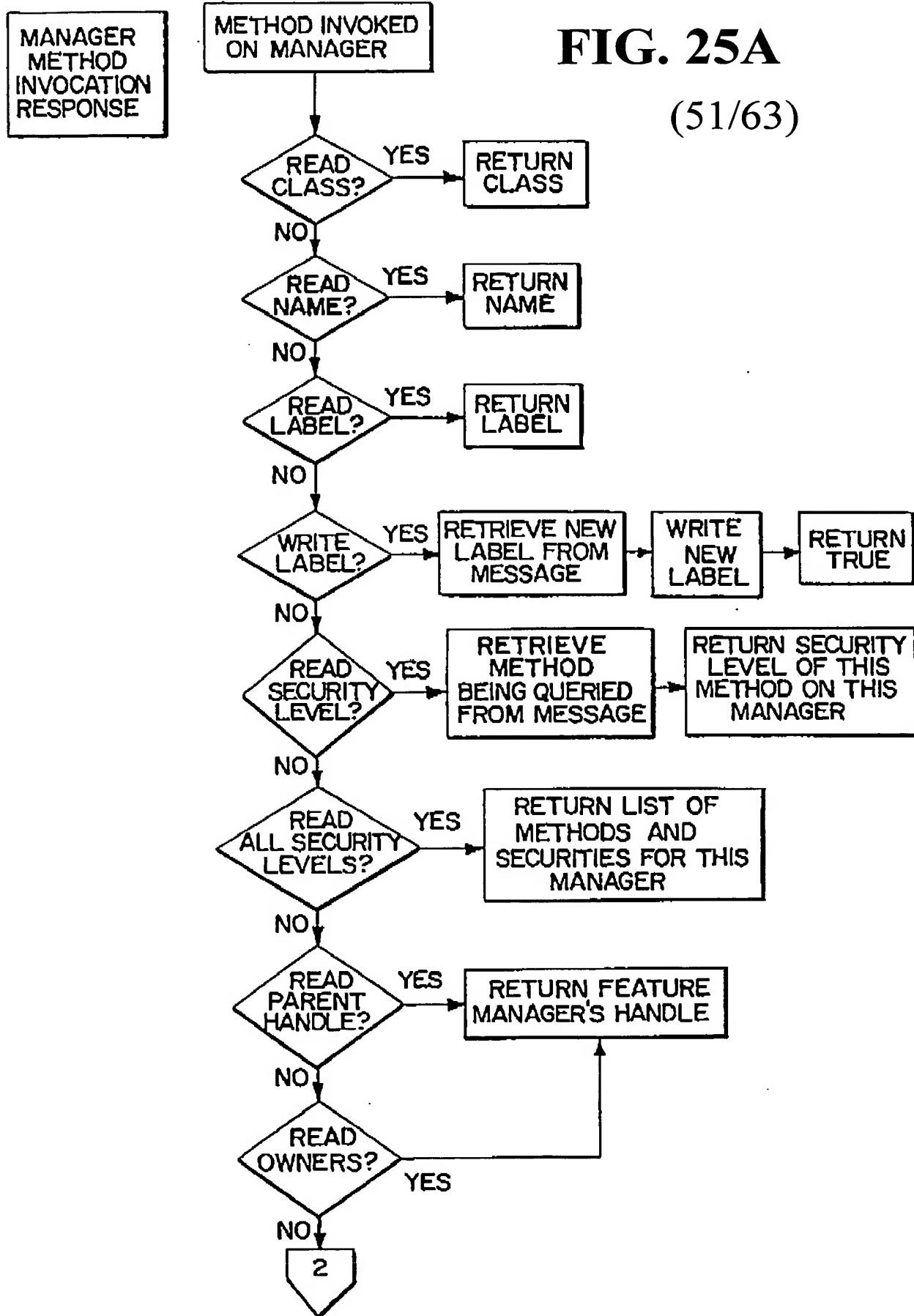


FIG. 24B





1200

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FIG. 26

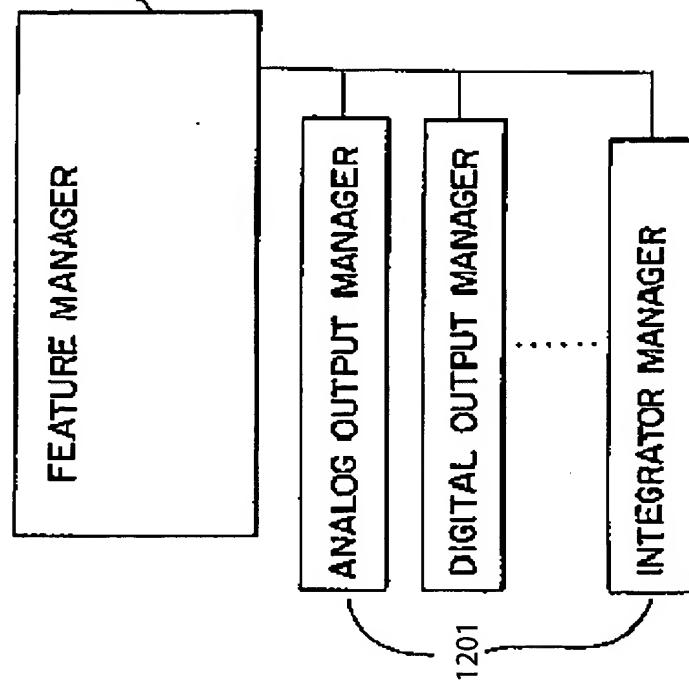
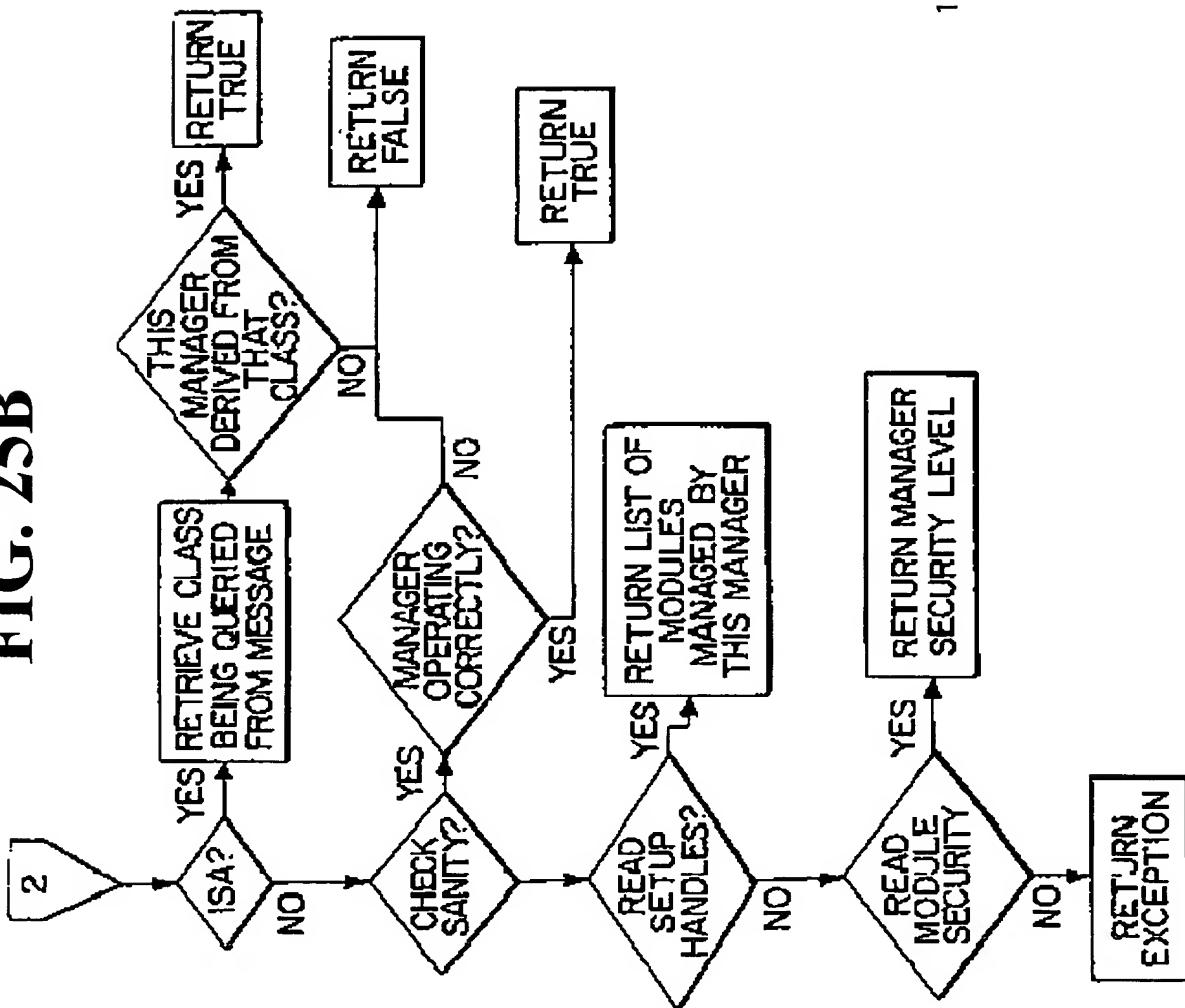
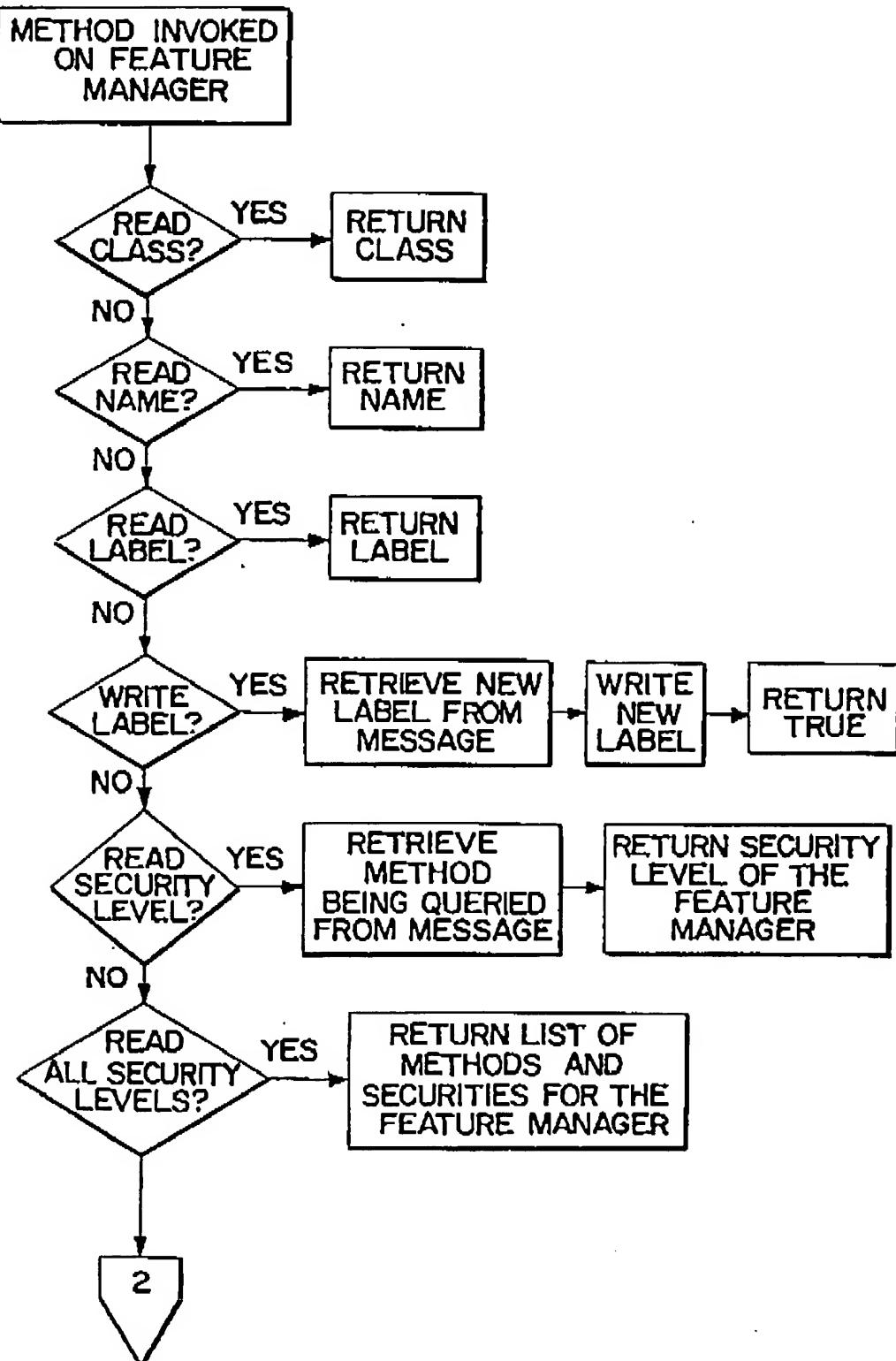


FIG. 25B

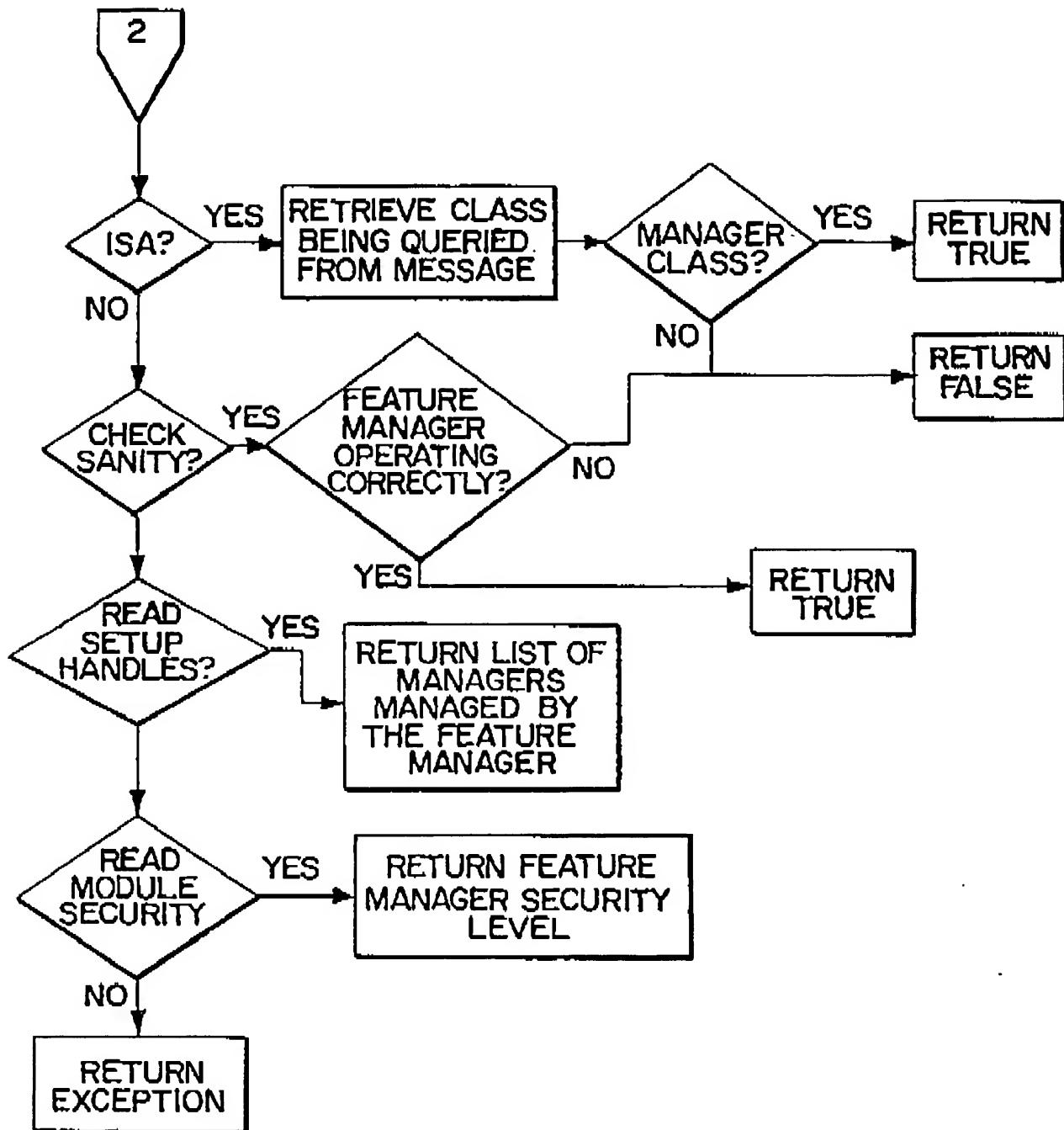


FEATURE  
MANAGER  
METHOD  
INVOCATION  
RESPONSE

FIG. 26A (53/63)



**FIG. 26B** (54/63)



(55/63)

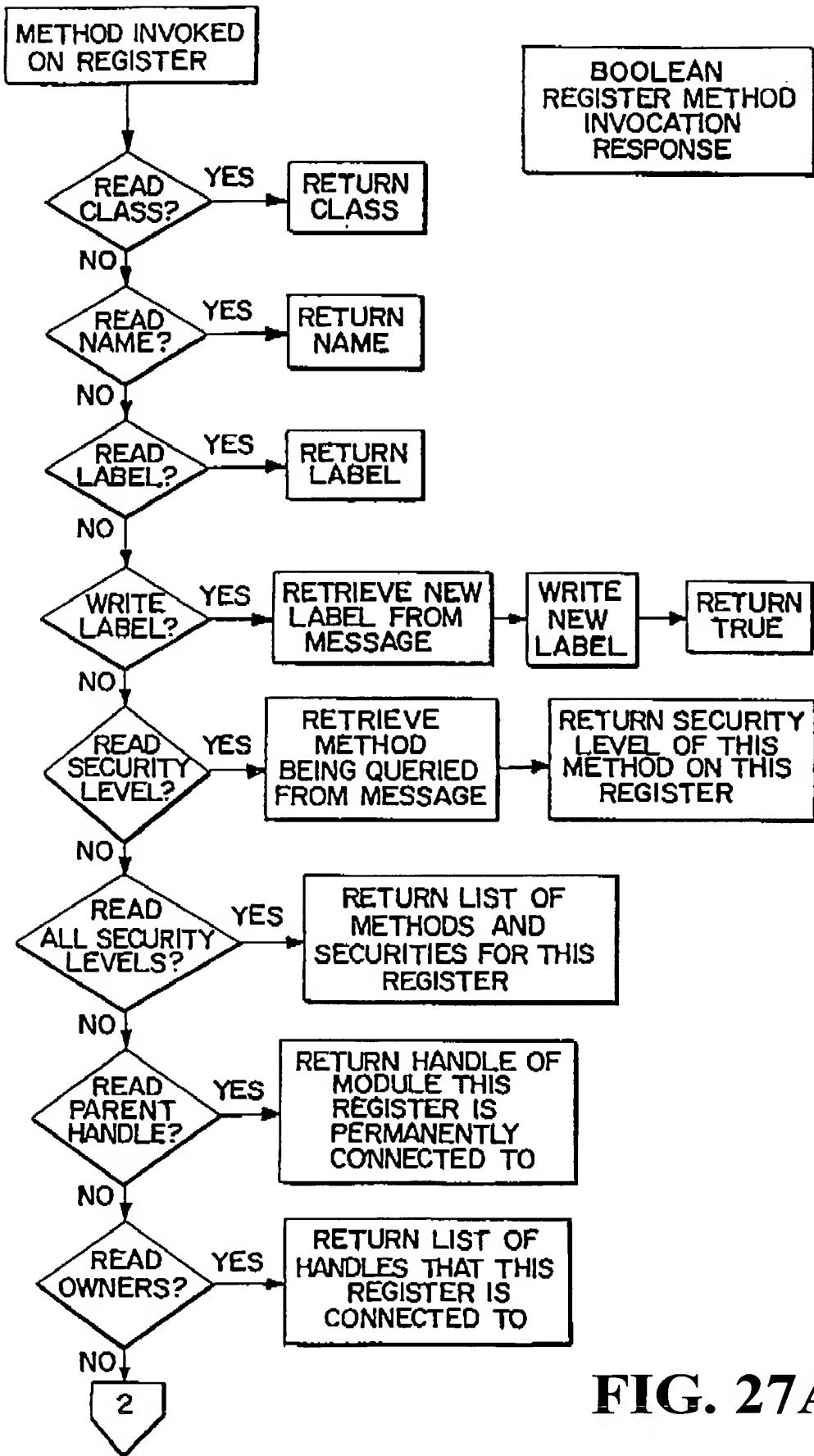
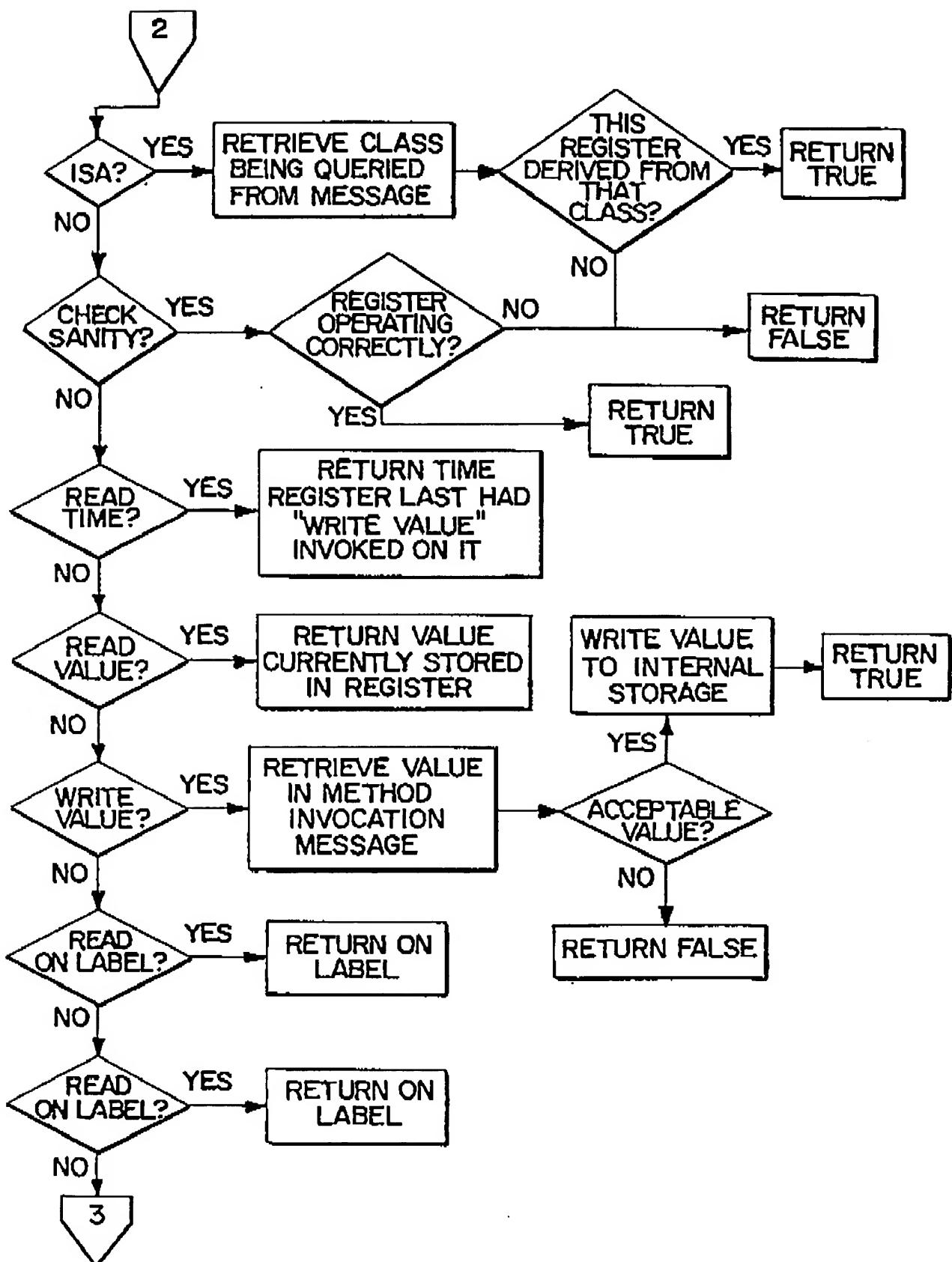


FIG. 27A

FIG. 27B (56/63)



**FIG. 27C** (57/63)

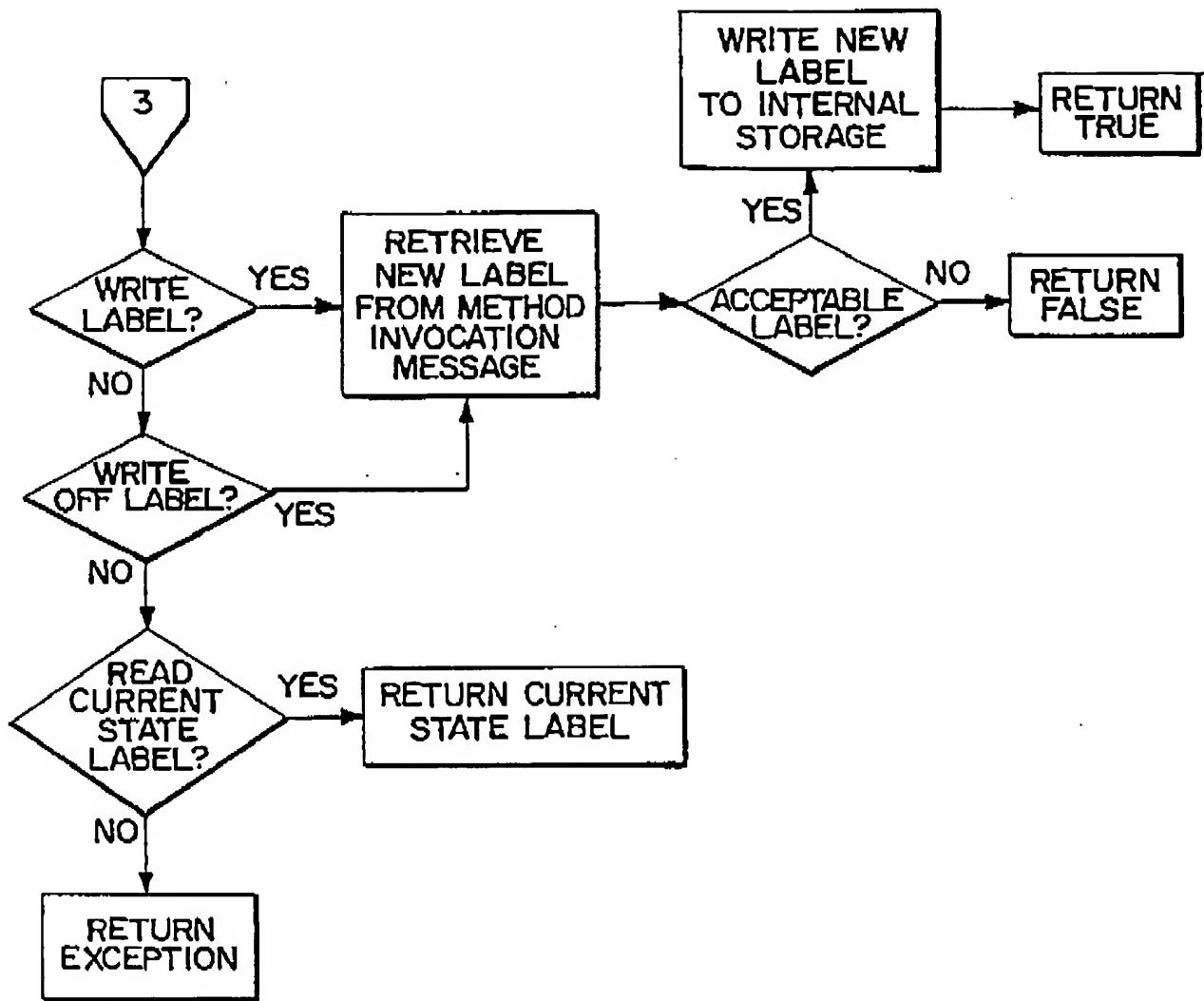
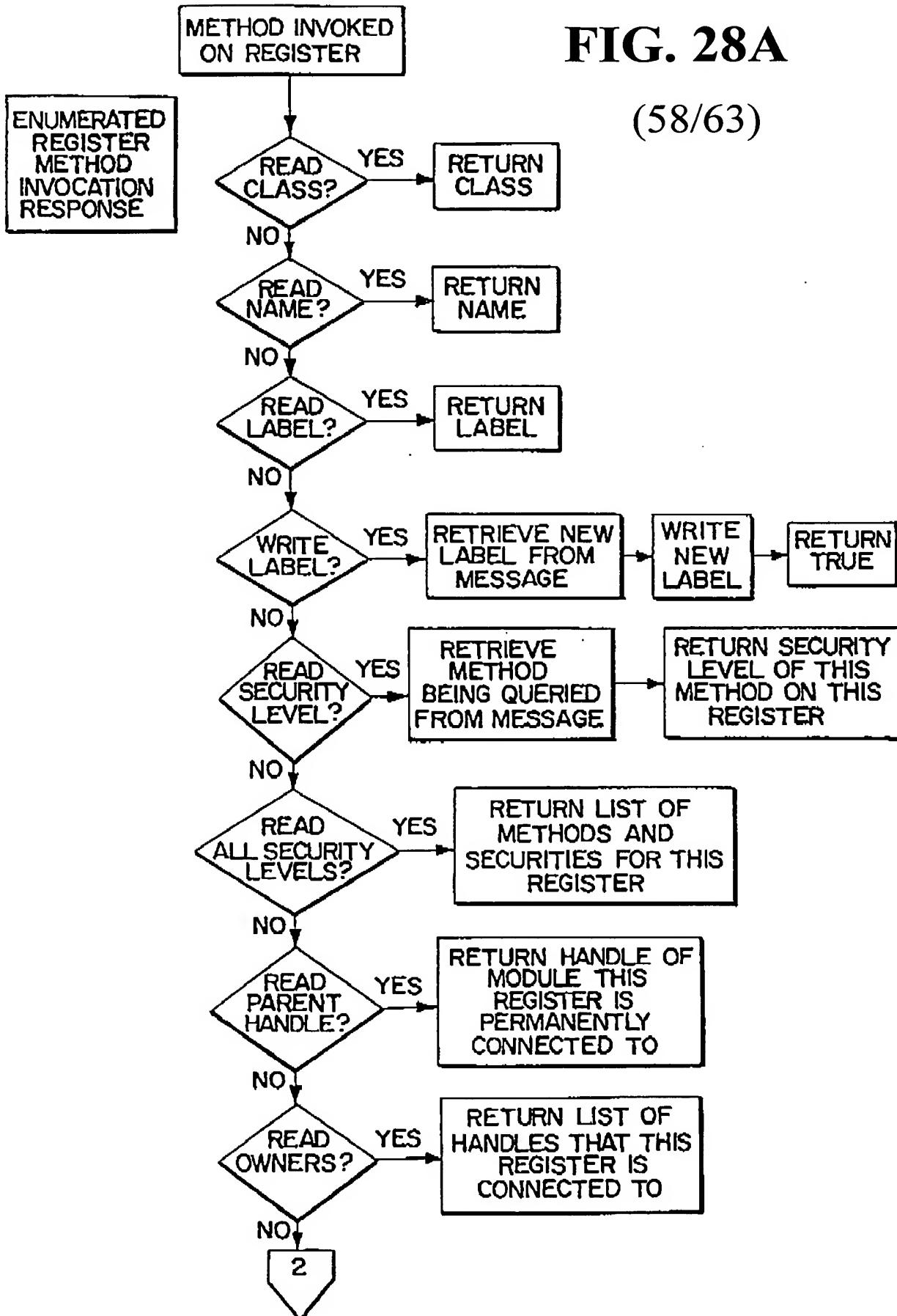


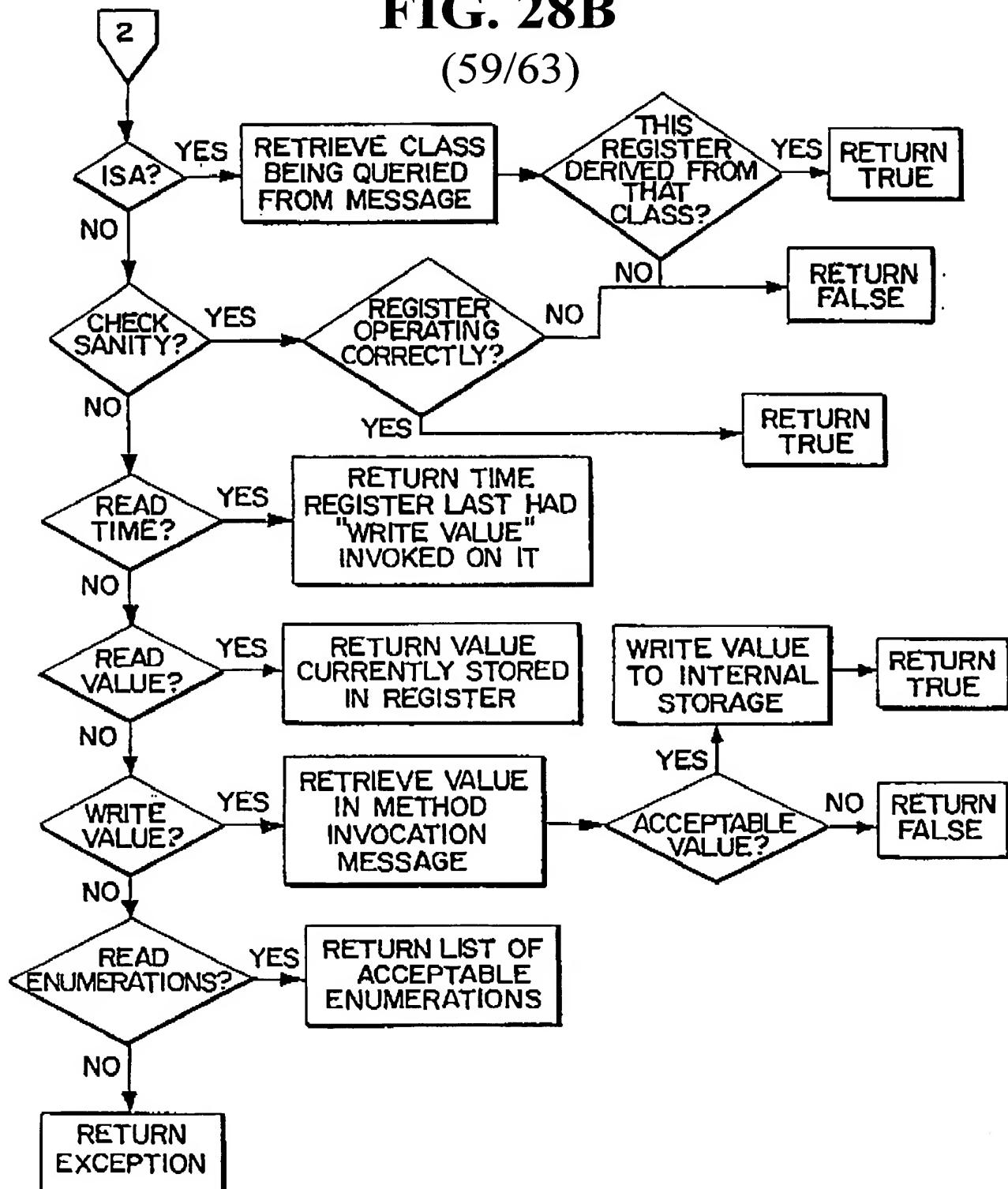
FIG. 28A

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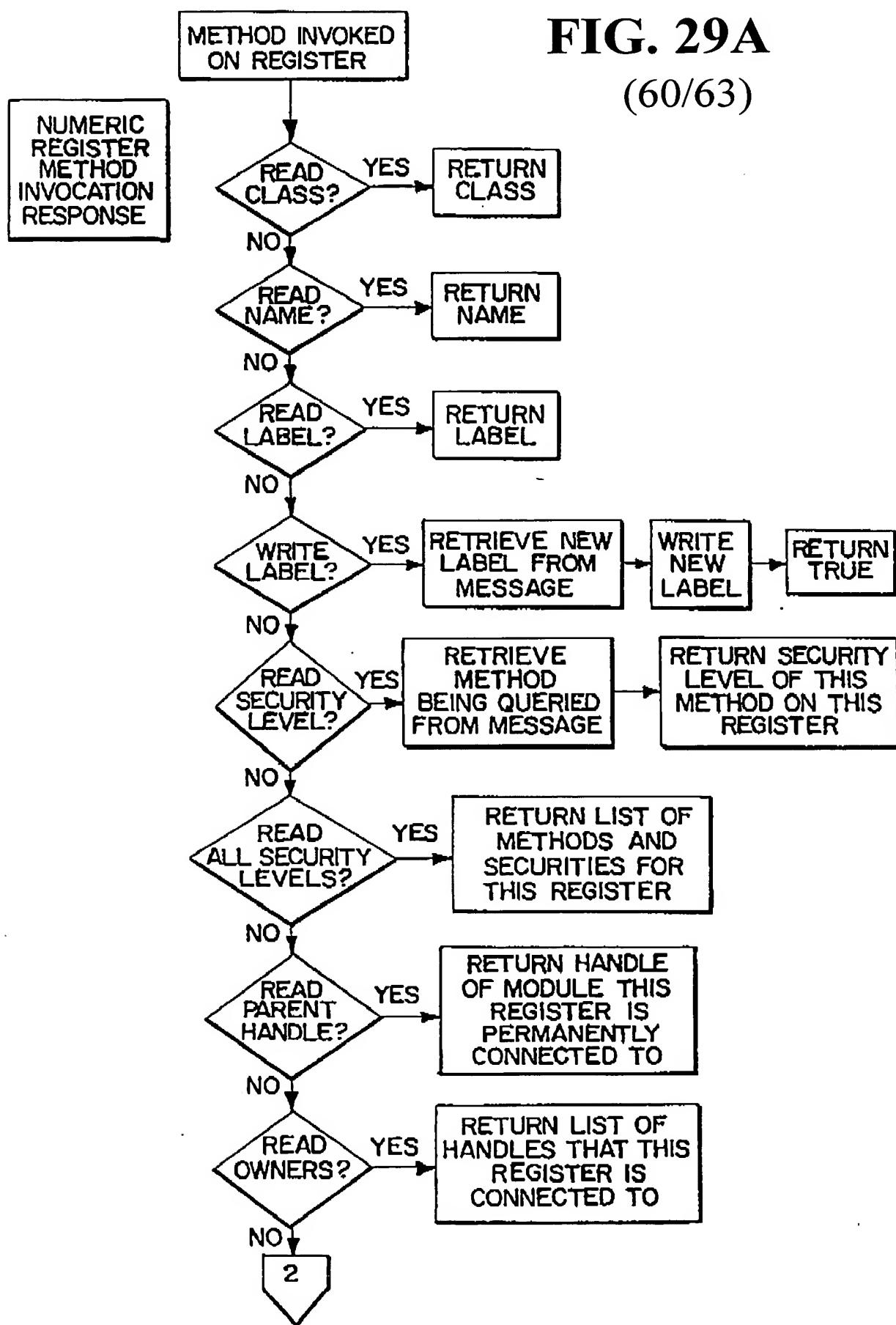
**FIG. 28B**

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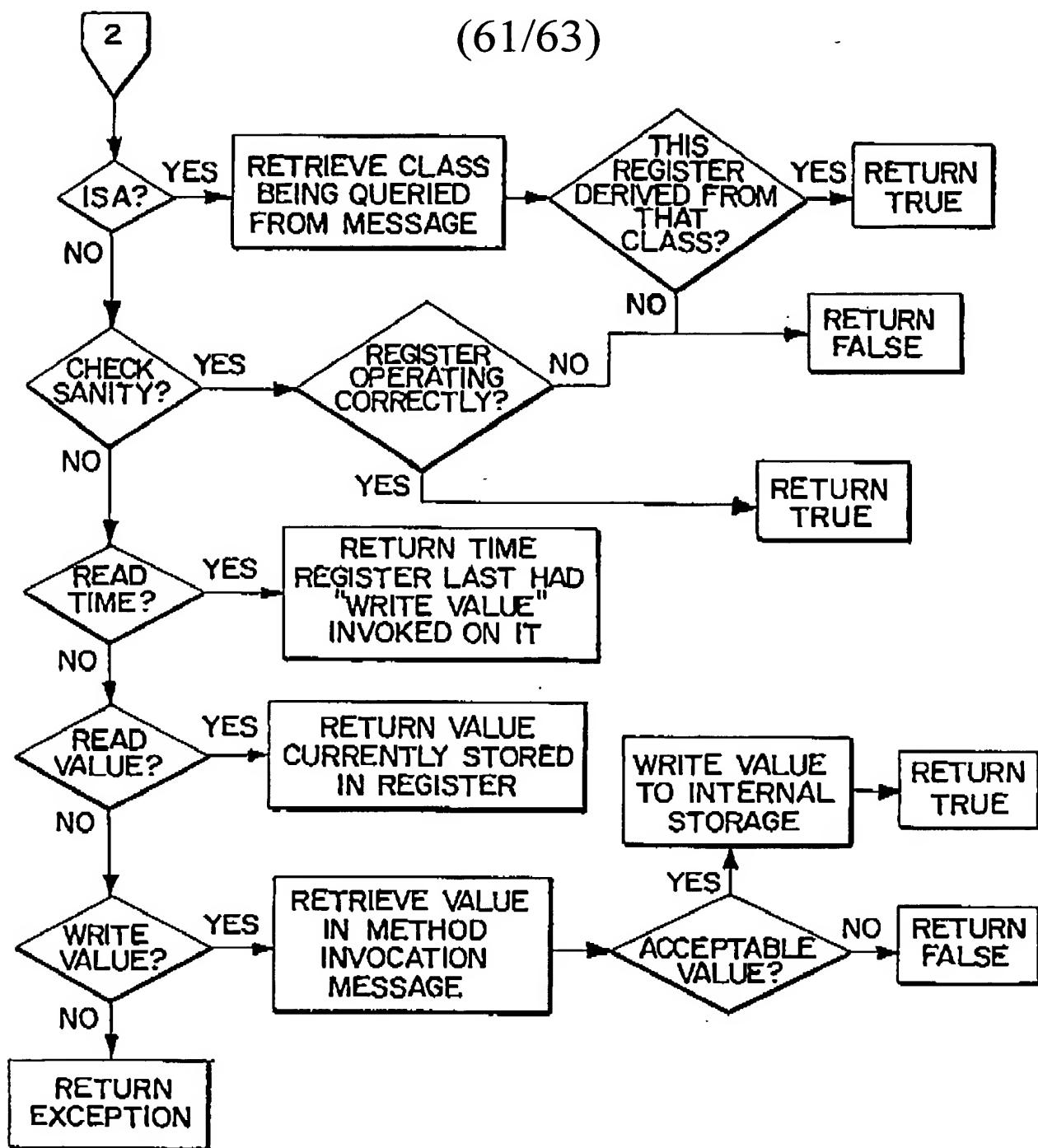
**FIG. 29A**

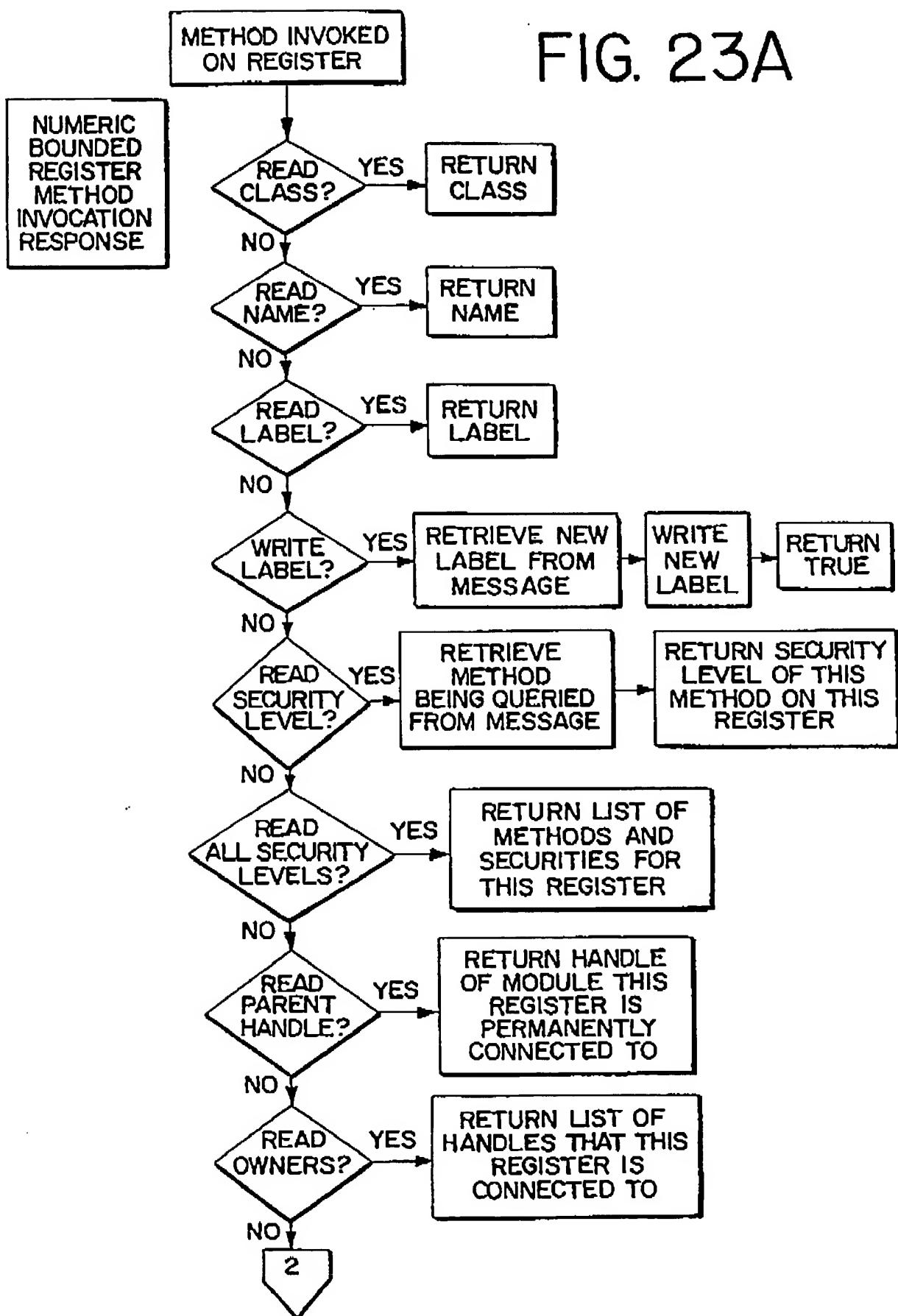
(60/63)



**FIG. 29B**

(61/63)





Patent Application For: PHASOR TRANSDUCER APPARATUS AND SYSTEM FOR PROTECTION, CONTROL, AND  
MANAGEMENT OF ELECTRICITY DISTRIBUTION SYSTEMS

Inventor(s): Ronald G. Hart

Attorney Docket No.: 6270/108

Replacement Sheet

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FIG. 30B (63/63)

